

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS WELL LOG ELECTRIC LOGS ☒ WATER SANDS LOCATION INSPECTED SUB REPORT abd

871215 chg of opn eff 9-3-87

DATE FILED

8-8-83

LAND: FEE & PATENTED

☒

STATE LEASE NO.

PUBLIC LEASE NO.

INDIAN

DRILLING APPROVED

8-9-83 - OIL (Exception Location)

SPUDDED IN:

9-12-83

COMPLETED

12-23-83 PAA PUT TO PRODUCING

INITIAL PRODUCTION

GRAVITY API

GOR.

PRODUCING ZONES

TOTAL DEPTH:

13,013'

WELL ELEVATION

6371'

DATE ABANDONED:

12-23-83 PAA * Chg to WDW eff. 9-17-87

FIELD: Wildcat

UNIT.

COUNTY:

Carbon

WELL NO.

Telonis #1

API #43-007-30093

LOCATION

465' FSL

FT. FROM (N) (S) LINE.

560' FEL

FT. FROM (E) (W) LINE.

SESE

1/4 - 1/4 SEC. 19

TWP.

RGE

SEC

OPERATOR

TWP.

RGE

SEC

OPERATOR

QUATERNARY	Star Point	Chinle 803.5'	Molas
Alluvium	Wahweap	Shinarump 8432'	Manning Canyon
Lake beds	Masuk	Moenkopi 8446'	Mississippian
Pleistocene	Colorado	Sinbad 9160'	Humbug
Lake beds	Sego	PERMIAN	Brazer
TERTIARY	Buck Tongue	Kaibab 9748'	Pilot Shale
Pliocene	Castlegate	Coconino 9930'	Madison
Salt Lake	Mancos	Cutler	Leadville
Oligocene	Upper	Hoskinnini	Redwall
Norwood	Middle	DeChelly	DEVONIAN
Eocene	Lower	White Rim	Upper
Duchesne River	Emery	Organ Rock	Middle
Uinta	Blue Gate	Cedar Mesa	Lower
Bridger	Ferron 2804'	Halgaite Tongue	Ouray
Green River	Frontier	Phosphoria	Elbert
	Dakota 3503'	Park City	McCracken
	Burro Canyon	Rico (Goodridge)	Aneth
	Cedar Mountain	Supai	Simonsen Dolomite
	Buckhorn	Wolfcamp	Sevy Dolomite
	JURASSIC	CARBON I FEROUS	North Point
Wasatch	Morrison 4456'	Pennsylvanian 10,970'	SILURIAN
Stone Cabin	Salt Wash	Oquirrh	Laketown Dolomite
Colton	San Rafael Gr.	Weber, Manning Canyon 11,236'	ORDOVICIAN
Flagstaff	Summerville	Morgan	Eureka Quartzite
North Horn	Bluff Sandstone	Hermosa	Pogonip Limestone
Almy	Curtis 5449'	Humbug 12,376'	CAMBRIAN
Paleocene	Entrada 5616'	Pardox	Lynch
Current Creek	Moab Tongue	Ismay	Bowman
North Horn	Carmel 6456'	Desert Creek 12,224'	Tapeats
CRETACEOUS	Glen Canyon Gr.	Akah	Ophir
Montana	Navajo 7216'	Barker Creek	Tintic
Mesaverde	Kayenta 7564'		PRE - CAMBRIAN
Price River	Wingate 7,228'	Cane Creek	
Blackhawk	TRIASSIC		

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS

SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)

5. Lease Designation and Serial No.

FEE

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

8. Farm or Lease Name

TELONIS

9. Well No.

#1

10. Field and Pool, or Wildcat

WILDCAT

11. Sec., T., R., M., or Blk.
and Survey or Area

SEC 19, T14S, R9E

12. County or Parrish 13. State

CARBON, UTAH

1a. Type of Work

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. Type of Well

Oil
Well ☒Gas
Well ☐

Other

Single
Zone ☒Multiple
Zone ☐

2. Name of Operator

ARCADIA REFINING COMPANY

3. Address of Operator

115 WEST FIFTH STREET, TYLER, TEXAS 75701

4. Location of Well (Report location clearly and in accordance with any State requirements.)*

At surface

465' FSL & 560' FEL of Section 19

At proposed prod. zone

Same

14. Distance in miles and direction from nearest town or post office*

7 1/2 MILES WEST OF PRICE, UTAH

15. Distance from proposed*

location to nearest

property or lease line, ft.

(Also to nearest drlg. line, if any)

465'

16. No. of acres in lease

240

17. No. of acres assigned
to this well

40

18. Distance from proposed location*
to nearest well, drilling, completed,
or applied for, on this lease, ft.

-

19. Proposed depth

12,500'

20. Rotary or cable tools

ROTARY

21. Elevations (Show whether DF, RT, GR, etc.)

6370.7 GR

22. Approx. date work will start*

AUGUST 15, 1983

23.

PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
30"	20"	Conductor	100'	Surface-Redi-Mix
17 1/2"	13 3/8"	54.5#-K	1000'	950 sx to surface
12 1/4"	9 5/8"	40.0#-S	6000'	1500 sx to surface
8 3/4"	5 1/2"	17 & 20#-N	12500'	500 sx

PROPOSAL:

TO DRILL, TEST AND EQUIP A 12,500' MANNING CANYON WELL AS
FOLLOWS (SEE ATTACHED).

**APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING**
DATE: 8/19/83
BY: [Signature]

AUG 30 1983

DIVISION OF
OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program if any.

24.

Signed

[Signature: Dan C. Licking]

Title

Engineer

Date

8/4/83

(This space for Federal or State office use)

Permit No.

Approval Date

Approved by

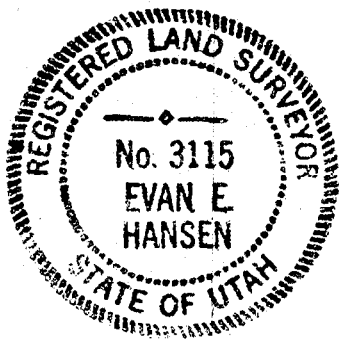
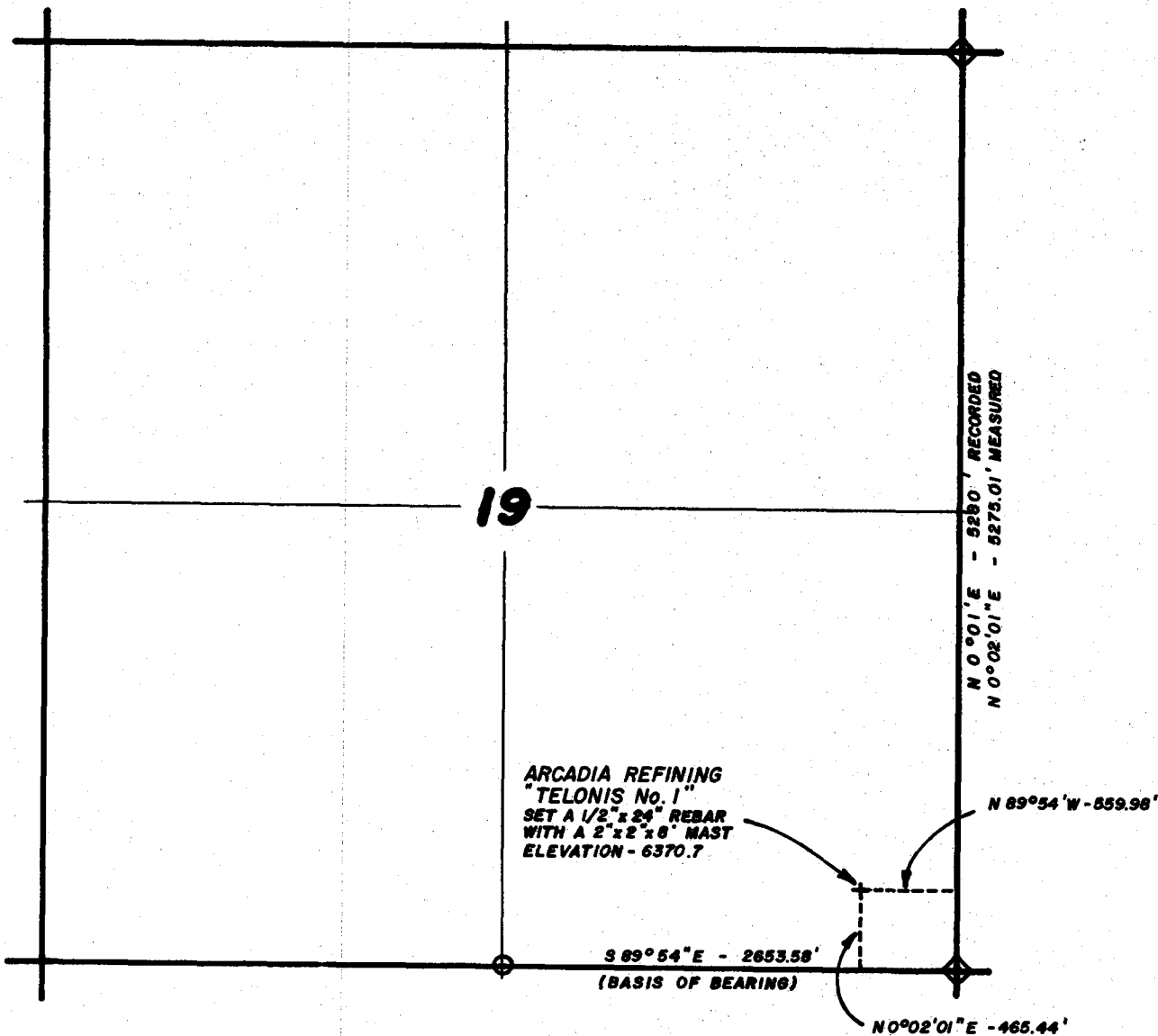
Title

Date

Conditions of approval, if any:

RANGE 9 EAST

TOWNSHIP 14 SOUTH



Basis Of Bearing

Basis of Bearing is S 89°54'E, Between The South 1/4 Corner And The Southeast Corner Of Section 19, T14 S, R9 E, S.L.B.&M. Taken From G.L.O. Plat Dated May 13, 1912.

Legend

- ◇ Found Brass Cap Section Corner
- Found Brass Cap One Quarter Corner

Surveyors Certificate

I, EVAN E. HANSEN, Do Hereby Certify That I Am A Registered Land Surveyor Holding Certificate No. 3115 As Prescribed Under The Laws Of The State Of Utah. I Further Certify That I Have Made A Survey Of The Tract Of Land Shown On This Plat And That It Is True And Correct To The Best Of My Knowledge.

Evan E. Hansen

8/2/83
Date

Empire Engineering

86 North 200 East Price, Utah 84501

**ARCADIA REFINING
TELONIS No. 1**

DRAWN BY: B.L.P.	APPROVED BY:	DRAWING NO. EE06-047 B
DATE 8-2-83	SCALE: 1" = 1000'	

Arcadia Refining Company
Telonis #1
Section 19, T14S, R9E
Carbon County, Utah

PROPOSAL:

1. Move in rat hole digger and set 100' of 20" steel conductor casing, cement to surface with Redi-Mix. Rig up drilling rig suitable for efficient drilling up to 12,500'.
2. Drill 12 $\frac{1}{4}$ " hole to 1100' with mud.
3. Ream 12 $\frac{1}{4}$ " hole to 17 $\frac{1}{2}$ " with hole-opener.
4. Set and cement to surface 1000'± 13 3/8" 54.5# K-55 ST&C casing with 950 sxs cement.
5. Nipple up 13 5/8" X 5000# WP weld-on wellhead.
6. Nipple up 13 5/8" X 5000# double hydraulic and Hydrill BOP stack. Pressure test wellhead and ram type preventors to 5000#. Test Hydrill to 1500#.
7. Test 13 3/8" casing to 1500 psi prior to drilling out cement.
8. Rig up mud logger prior to drilling out 13 3/8" casing.
9. Drill 12 $\frac{1}{4}$ " hole to 6000'± with mud. Possible DST in Ferron or Dakota.
10. Run electric logs in 12 $\frac{1}{4}$ " hole.
11. Run and cement to surface 6000'± 9 5/8", 40#, S-95, LT&C casing with 1500 sxs cement.
12. Nipple up 13 5/8" X 11" - 5000# WP casing spool.
13. Re-set BOP stack and test as above in Item #6.
14. Test 9 5/8" casing to 5000 psi prior to drilling out cement.
15. Drill out cement and drill with mud to total depth of 12,500'±.
16. Run DST as directed by wellsite geologist.
17. Run Electric logs as required or as directed by wellsite geologist.
18. Run 5 $\frac{1}{2}$ " production casing or P & A according to Utah State requirements.

W. H. ARRINGTON, JR.
PETROLEUM ENGINEER
1580 LINCOLN STREET, SUITE 1250
DENVER, COLORADO 80203
TELEPHONE 303-839-5944

August 4, 1983

Utah Division of Oil & Gas
4241 State Office Building
Salt Lake City, Utah 84114

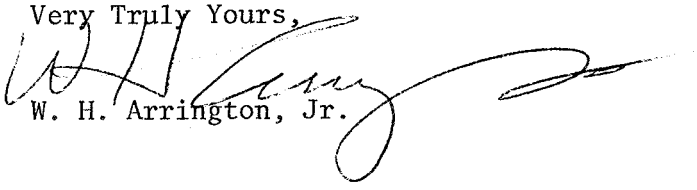
Re: Application to Drill
Arcadia Refining Co.
Telonis No. 1
Carbon County, Utah

Dear Sirs:

Attached is an Application to Drill a 12,500' Manning Canyon well in Carbon County, Utah. The proposed well is located 465' FSL & 560' FEL of Section 19, T14S, R9E, Carbon County, Utah. This well cannot be located within the state tolerances for wells of this nature due to topographic conditions. ~~Arcadia hereby requests exception to Rule C-3c due to topographic conditions.~~ A topographic map is enclosed showing a large drainage coming through the standard 660' X 660' location. All of the SE/4 of Section 19 is owned and controlled by Arcadia Refining Company.

Your early approval of this location will be appreciated. If you have any questions, please call at the above telephone number.

Very Truly Yours,


W. H. Arrington, Jr.

WHA:j1
encl

RECEIVED
AUG 08 1983

DIVISION OF
OIL, GAS & MINING



Route 2 - Box 59-F
Price, Utah 84501
Phone (801) 637-6350

August 2, 1983

Arcadia Refining Company
115 West Fifth
Tyler, Texas 75701

ATTENTION: Dan Sicking

Dear Mr. Sicking:

This letter is written as per your request concerning the availability of water in Section 19, T14S., R9E., SLB&M, Carbon County, Utah, for use at an oil drilling site to be called Telonis No. 1.

Water is available in the above area through the use of your private trucking operation from the Price River Water Improvement District's water metering station located west of the District's Service Center on the Fairground's Road in Carbon County.

The private trucking agency must abide by the District's requirements regarding the hauling of this water.

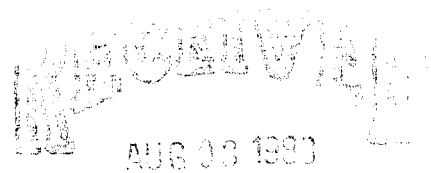
Any concerns or questions you may have regarding the water metering station can be directed to our office staff.

Yours truly,

A handwritten signature in cursive script that reads "Rodney Ivie".

Rodney D. Ivie
Assistant District Manager

RDI:kd



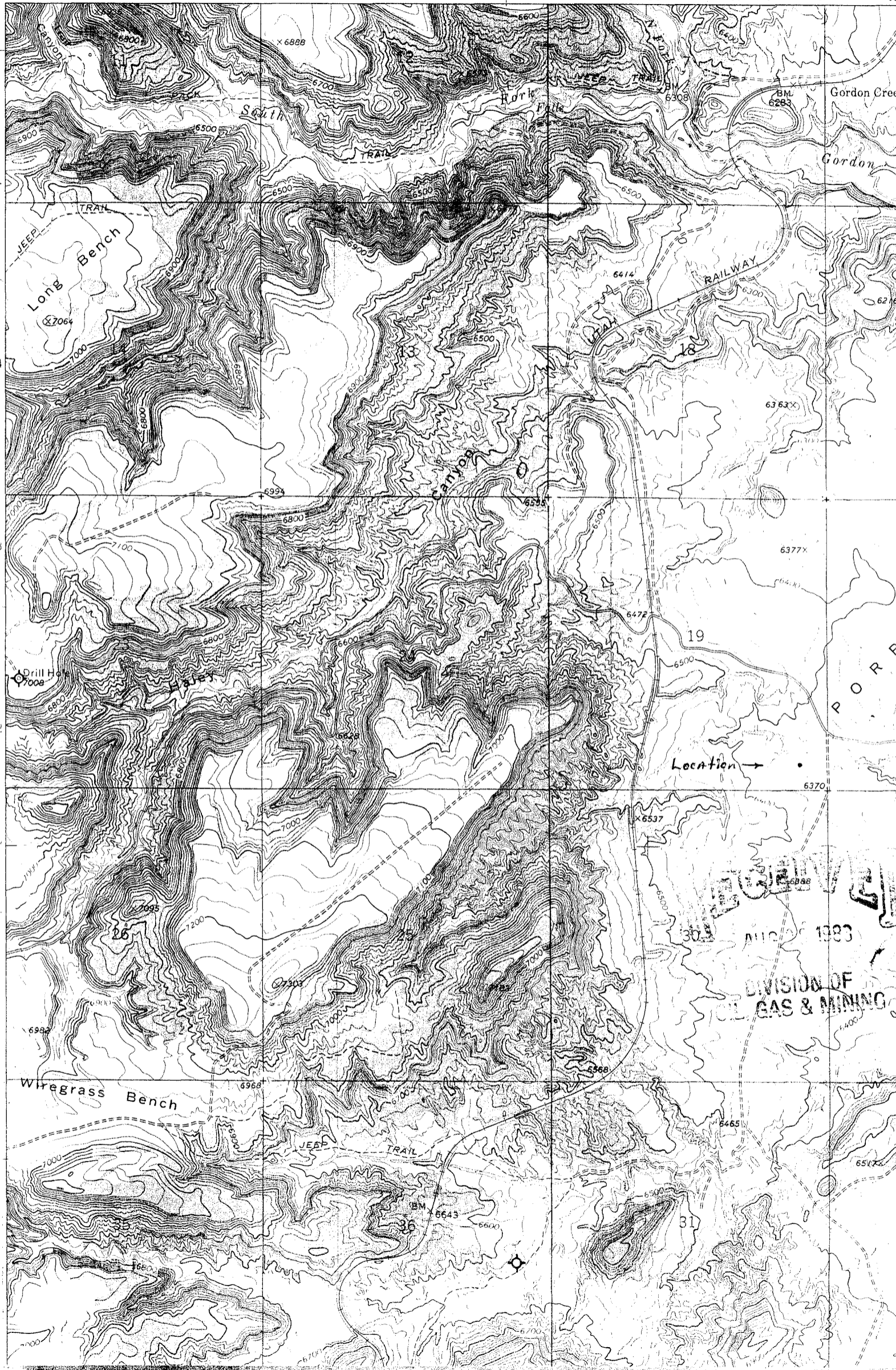
DIVISION OF
OIL, GAS & MINES



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

UTAH GEOLOGICAL SURVEY

1°00' 501000m.E. 502 R 8 E R 9 E 57'30" 504 R-9-E 505



OPERATOR

Acadia Refining Co.

DATE

8/8/83

WELL NAME

Selonis #1

SEC

SESE 19

T

145

R

9E

COUNTY

Carbon

43-007-30093

API NUMBER

Fee

TYPE OF LEASE

POSTING CHECK OFF:

☐

INDEX

☐

MAP

☐

HL

☐

NID

☐☐

PI

PROCESSING COMMENTS:

OK - No other wells within 1000'Water &

✓ CHIEF PETROLEUM ENGINEER REVIEW:

8/9/83 Unit being formed,
exception location, OK.

APPROVAL LETTER:

SPACING:

☐

A-3

UNIT

☐

c-3-a

CAUSE NO. & DATE

☐

c-3-b

☒

c-3-c

SPECIAL LANGUAGE:

☒ RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

☒ AUTHENTICATE LEASE AND OPERATOR INFORMATION

☒ VERIFY ADEQUATE AND PROPER BONDING

☒ AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

☐ APPLY SPACING CONSIDERATION

☐ ORDER _____

☐ UNIT _____

☐ c-3-b

☒ c-3-c

☒ CHECK DISTANCE TO NEAREST WELL.

☒ CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

☒ IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

☒ IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

August 9, 1983

Arcadia Refining Company
115 West Fifth Street
Tyler, Texas 75701

RE: Well No. Telonis #1
SESE Sec. 19, T. 14S, R. 9E
465' FSL, 560' FEL
Carbon County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to oil well on said unorthodox location is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:


RONALD J. FIRTH - Chief Petroleum Engineer
Office: 533-5771
Home: 571-6068

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-007-30093.

Sincerely,


R. J. Firth
Chief Petroleum Engineer

RJF/as
Encl.

August 18, 1983

Arcadia Refining Company
c/o Edmundson, Inc.
P. O. Box 1707
Denver, Colorado 80201

Re: Designated Pinnacle Unit Area
Carbon County, Utah

Gentlemen:

This letter is to acknowledge your request for a change in the location of the unit obligation well for the designated Pinnacle Unit Area. The original location of the unit obligation well was in the NE NE Section 24, T.14S., R.8E., SL&M, and the proposed change would place the well in the SE SE Section 19, T.14S., R.9E., SL&M.

Your request for change of location for the obligation well is hereby approved.

Sincerely,

(Orig. Sgd.) R. A. Henricks

E. W. Gynn
Chief, Branch of Fluid Minerals

Enclosure

bcc: Division of Oil, Gas and Mining, State of Utah
State Board of Land Commissioners
District Manager, BLM-Noah
File - Pinnacle Unit
Agr. Sec. Chron.

U-922:RAHenricks:tt:8-17-83:x4590

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: ARCADIA REFINING COMPANY

WELL NAME: TELONIA #1

SECTION SESE 19 TOWNSHIP 14S RANGE 9E COUNTY CARBON

DRILLING CONTRACTOR NICOR

RIG # 46

SPUDDED: DATE 9-12-83

TIME

How Rotary

DRILLING WILL COMMENCE

REPORTED BY Bill Arrington

TELEPHONE #

DATE 9-13-83 SIGNED RJF

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for ~~well proposals~~.)

1. oil well ☒ gas well ☐ other ☐
2. NAME OF OPERATOR
ARCADIA REFINING COMPANY
3. ADDRESS OF OPERATOR
115 WEST FIFTH ST., TYLER, TX 75701
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
465' FSL & 560' FEL OF SEC 19
AT SURFACE:
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>

(other) MONTHLY REPORT OF OPERATIONS

5. LEASE FEE
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
TELONIS #1
9. WELL NO.
1
10. FIELD OR WILDCAT NAME
WILDCAT
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SEC 19 T14S R9E
12. COUNTY OR PARISH
CARBON
13. STATE
UTAH
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)
6370.7 GR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

SEE ATTACHED COPY OF MONTHLY REPORT OF OPERATIONS

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED W. H. Arrington, Jr. TITLE AGENT DATE 12/13/83

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

W. H. ARRINGTON, JR.
PETROLEUM ENGINEER
1580 LINCOLN STREET, SUITE 1250
DENVER, COLORADO 80203
TELEPHONE 303-839-5944

DRILLING REPORT

Arcadia Refining Co.
Telonis No. 1
SE/4 SE/4 Section 19
T-14-S, R-9-E
Carbon County, Utah

DAILY WELL STATUS (6:00AM)

9/7/83	Rigging up Nicor Rig No. 46, Nick Oberhansly toolpusher. Rig drawworks - Continental Emsco C-1 Type II with 2 C.E. F-1000 pumps. Set 20" conductor casing at 73' ground level.
9/8/83	Rigging up rotary tools.
9/9/83	Rigging up rotary tools, raise derrick.
9/10/83	Rigging up rotary tools, fill water tanks and pits.
9/11/83	Rigging up, pick up Kelly, nipple up 20" conductor casing and flow line to pit. Prep to spud.
9/12/83 (Day 1)	Drilling at 116', made 16'. Remarks: Spud well at 10:30 PM at 100'KB w/ 12 $\frac{1}{4}$ " DTJ bit. KB to Ground 26.5'. BHA is bit - IBS - 1 - 30' X 8" DC - non-rotate stabilizer. Drilling with water.

9/13/83
(Day 2)

Drilling at 268', made 152'.
Remarks: Drilling with water. Found
piece of iron in bit #1 1½"
long and ½" diameter. Bit
locked up, hard sand.

9/14/83
(Day 2)

Drilling at 506', made 238'.
Remarks: Grey hard sand.

Daily Cost: \$18,499 Cum: \$134,125

9/15/83
(Day 2)

Drilling at 874', made 368'.
Remarks: Silty shale, delivery 29 jts
13 3/8" casing - 1203.20'.

DC - \$6,425 CC - \$140,684

9/16/83
(Day 4)

Reaming 17½" hole at 157', made 55'.
Remarks: Drilled 12¼" hole to 1135' in
Mancos Shale. Pick up 17½" HO,
3 pt reamer, 1 - 30' X 9" DC,
1 - 9" shock sub, 1 - 17½" non-
rotating stabilizer, 2 - 30' X 9"
DC, 13 - 8" drill collars.

DC - \$13,974 CC - \$154,658

9/17/83
(Day 2)

Reaming at 413', made 256'.
Remarks: Run two pumps, hard rocks.

DC - \$11,420 CC - \$166,078

9/18/83
(Day 2)

Reaming at 550', made 137'.
Remarks: Wash out C.O. sub above Kelly
spinner.

DC - \$10,456' CC - \$176,534

9/19/83
(Day 2)

Reaming at 808', made 258'.
Remarks: No problems. Rig up mud logger
trailer.

DC - \$6,555 CC - \$183,089

9/20/83
(Day 9)

Trip out at 1006', made 198'.
Remarks: Shock sub quit working, trip out,
lay down shock sub.

DC - \$10,127 CC - \$193,216

9/21/83
(Day 10)

Running 13 3/8" casing at 1075', made 69'.
Remarks: Reamed 17½" hole to 1075', ream-
ing very hard and slow.

DC - \$25,290 CC - \$218,506

9/22/83
(Day 11)

WOC & Nipple Up at 1135', 12½" hole.
Remarks: Made short trip circulate 45 min,
trip out to run 13 3/8" casing.
Ran 26 jts, 13 3/8" 54.5#, K-55,
ST&C, N.K.K., R-3, new casing
1072.32', set at 1072'. Welded
1" X 1" X 14" steel straps on
float and shoe joints. Thread
lock 2 bottom joints. Centralizers
at 1052', 990', 908', 826', 744'.
Cemented with 630 sxs HOWCO lite with
10# gilsonite + 1/4# flocele + 2%
calcium chloride + 375 sxs Type II
cement with 1/4# flocele + 2% calcium
chloride. One inch surface with 100 sx
Type II with 2% calcium chloride.
Bumped plug at 800#, held OK. Released
pressure, float held. Plug down at
11:00AM 9/21/83. Good cement returns
to surface, 180 sx to pit. WOC 8 hours.
Cut off 20" and 13 3/8" casing, nipple
up 13 3/8" X 3000# WP, weld on casing
head, test weld to 1000#, held OK. Clean
pits.

DC - \$25,770 CC - \$244,276

9/23/83
(Day 12)

Trip in to drill 12 $\frac{1}{4}$ " hole.

Remarks: Nipple up 13 5/8" X 10,000# BOP - 2 sets pipe rams + 1 - blind rams + 13 5/8" 5000# Hydrill. Tested BOP stack to 2000+, lost 25# in 15 min, no visible surface leaks. Tested casing to 2000#, loss as above. Tested Hydrill to 1250#, loss as above. Check drill collars, lay down 8" BHC BHA - 12 $\frac{1}{4}$ " bit + 3 pt reamer + 1" X 8" X 30' DC + 1 - 8" shock sub (Christensen) + 1 - non-rotating stabilizer + 13 - 8" DC + 115 jts 5" 19.5# weight pipe.

DC - \$10,612 CC - \$254,888

9/24/83
(Day 13)

Drilling 12 $\frac{1}{4}$ " hole at 1532', made 398'

Remarks: Top of cement at 1025', Top of casing shoe at 1070'. Test 13 3/7" shoe to 600#, slight leak off at 25# in 15 min. Slow pump 60 SPC at 175#.

DC - \$8,135 CC - \$263,023

9/25/83
(Day 14)

Drilling at 1903', made 371'.

Remarks: Rubber came off of stabilizer, trip out to remove stabilizer. Pick up IBS in place of stabilizer. Left some rubber in hole. Level derrick.

DC - \$7,614 CC - \$270,637

9/26/83
(Day 15)

Trip out at 2108', made 205'.

Remarks: Tite hole at 2108', tite connections. raise vis, run sweeps. Stuck with bit at 1955'. Order surface jars, hit 2 licks and came loose.

DC - \$7,564 CC - \$278,201

9/27/83
(Day 16)

Drilling at 2395', made 287'.

Remarks: Tite hole on connection at 2187', 2218', 2249'. Add ASP - 700 shale inhibitor, pick up new shock sub wash and ream back to bottom 1809' to 2108'.

DC - \$9628 CC \$285,024

9/28/83
(Day 17)

Drilling at 2720', made 325'.
Remarks: Tite hole at 2653', bit balled.
Made trip for balled-up bit. 60 SPM
at 450#. Wash and ream 90' to bottom.

DC - \$9,332 CC - \$294,356

9/29/83
(Day 18)

Drilling at 2952', made 238'.
Remarks: Top Ferron at 2210', 60 SPM at 450#.
Trip for RR #4 no problems.

DC - \$7021 CC - \$301,377

9/30/83
(Day 19)

Drilling at 3101', made 143'.
Remarks: Drilling in Ferron Sd, hard, 60 SPM
at 450#. No problems.

10/1/83
(Day 20)

Drilling at 3261', made 260'.
Remarks: 60 SPM at 510#, No problems.

DC - \$7345 CC - \$316,440

10/2/83
(Day 21)

Drillin at 3403', made 140'.
Remarks: 60 SPM at 515#. Made trip for bit
No. 11 - F3 no hole problems. IBS
and 3 pt reamer balled up, change
out of gauge reamer.

DC - \$15,274 CC - \$331,714

10/3/83
(Day 22)

Drilling at 3632', made 229'.
Remarks: 60 SPM at 525#, no problems.

DC - \$7017 CC - \$338,731

10/4/83
(Day 23)

Drilling @ 3822', made 190'.
Remarks: 60 spm @ 525#, no problems.

DC - \$6,932 CC - \$345,663

10/5/83
(Day 24)

Drilling @ 3994', made 172'.
Remarks: 60 spm @ 550#

DC - \$7,061 CC - \$353,581

10/6/83
(Day 25)

Drilling @ 4151', made 157'.
Remarks: 60 spm @ 550#, tight
connection @ 4122'.

DC - \$7,225 CC - \$360,806

10/7/83
(Day 26)

Drilling @ 4280', made 129'.
Remarks: 60 spm @ 525#. Changed
out 3 pt and shock sub on
trip.

DC - \$15,926 CC - \$376,732

10/8/83
(Day 27)

Drilling @ 4,534', made 254'.
Remarks: 60 spm @ 550#. Survey
1° @ 4368'.

DC - \$9,134 CC - \$385,866

10/9/83
(Day 28)

Drilling @ 4742', made 208'.
Remarks: 60 spm @ 550#. Survey
1° @ 4649'.

DC - \$7,684 CC - \$393,550

10/10/83
(Day 29)

Drilling @ 4915', made 173'.
Remarks:

DC - \$6,784 CC - \$400,334

10/11/83
(Day 30)

Drilling @ 5022', made 107'.
Remarks: Trip at 4955' for bit
#13, Circ. BHA. Tight
@ 4140'.

DC - \$15,838 CC - \$416,171

10/12/83
(Day 31)

Drilling @ 5218', made 196'.
Remarks:

DC - \$8,913 CC - \$425,084

10/13/83
(Day 32)

Trip for cracked DC. Drilled to
5363.

DC - \$7,530 CC - \$432,614

10/14/83
(Day 33)

Drilling @ 5517', made 154'.
Remarks: Survey 1^o @ 5363'. Rec'd
179 jts of 9 5/8" 40# S95.

DC - \$131,872 CC - \$564,486

10/15/83
Day 34)

Drilling @ 5685', made 168'.
Remarks: 60 spm @ 525#.

DC - \$7,620 CC - \$572,106

10/16/83
(Day 35)

Drilling @ 5809', made 124'.
Remarks: 60 spm @ 500#. Change
BHA and bit. Survey 1^o
@ 5700'

DC - \$16,522 CC - \$588,628

10/17/83
(Day 36)

Drilled to 5898', made 89'.
Remarks: Wash and Ream to bottom,
trip for bit. Survey 3/4^o
@ 5898'. 60 spm @ 500#.

DC - \$15,020 CC - \$603,648

10/18/83
(Day 37)

Drilling @ 6045', made 147'.
Remarks: 60 spm @ 500#.

DC - \$8,335 CC - \$611,983

10/19/83
(Day 38)

Drilling @ 6181, made 136'.
Remarks: 6 spm @ 500#

DC - \$7,003 CC - \$618,986

10/20/83
(Day 39)

Drilling @ 6317', made 136'.
Remarks: 60 spm @ 500#.

DC - \$4,037 CC - \$623,023

10/21/83
(Day 40)

Trip for cracked DC @ 6400', made 83'.
Remarks: 60 spm @ 500#. Survey
1° @ 6331'.

DC - \$15,871 CC - \$638,894

10/22/83
(Day 41)

Trip for cracked DC @ 6553', made 153'.
Remarks: Change out shock sub, 12¼"
stab and 1 DC. 60 spm @
525#.

DC - \$7,128 CC - \$646,022

10/23/83
(Day 42)

Drilling @ 6625', made 72'.
Remarks: Trip for wash out in DC's.
Ream from 4500 to 4620'.

DC - \$7,542 CC - \$653,564

10/24/83
(Day 43)

Drilling @ 6825', made 200'.
Remarks:

DC - \$9,902 CC - \$663,466

10/25/83
(Day 44)

Drilling @ 6910', made 85'.
Remarks: Trip for wash out in DC's.
Replace worn 3 pt reamer.

DC - \$17,915 CC - \$681,381

10/26/83
(Day 45)

Drilling @ 7013', made 103'.
Remarks: Survey 1½° @ 6924'.

DC - \$8,386 CC - \$689,767

10/27/83
(Day 46)

Drilling @ 7099', made 86'.
Remarks: Change out DC's on trip.
Survey 1¼° @ 6995'.

DC - \$8,429 CC - \$698,196

10/28/83
(Day 47)

Drilling @ 7135', made 36'
Remarks:

DC - \$7,838 CC - \$706,034

10/29/83
(Day 48)

Circ. for logs, made 148'
Remarks: Top of Navajo @ 7204',
survey 1⁰ @ 7197'.

DC - \$9,649 CC - \$715,683

10/30/83
(Day 49)

Drilling @ 7315', made 40'.
Remarks: Ran logs @ 7275'.

DC - 24,792 CC - \$740,481

10/31/83
(Day 50)

Drilled to 7390'. Made 75'.
Remarks: Running 9 5/8" casing

DC - \$14,938 CC - \$755,419

11/1/83
(Day 51)

NU - Ran 190 jts of 9 5/8" 40# S-95 casing set at 7380', cemented 1st stage from 7380' to 3695' with 1345 sxs lite + 200 sx, w/10# gil, 1/4# flo- cele per sx + 18% salt, 2nd stage from 3695' to surface with 671 sxs lite + 736 sxs 6 with same adatives, set slips and NU.

DC - \$66,578 CC - \$821,997

11/2/83
(Day 52)

Drilling @ 7398', made 8'.
Remarks: NU, trip in, drilling out DV and cement. Test casing and casing spool.

11/3/83
(Day 53)

Drilled to 7430', lay down 5" DP.
Change BOP rams, test BOP, pick up
4½" casing, drill to 7431' with bit
#18.

DC - \$15,752

11/4/83
(Day 54)

Drilling @ 7685', made 254'.
Remarks:

DC - \$12,818 CC - \$859,569

11/5/83
(Day 55)

Drilling @ 7844', made 159'.
Remarks:

DC - \$11,986 CC - \$871,555

11/6/83
(Day 56)

Drilling @ 8011', made 167'.
Remarks: 60 spm @ 500#.

DC - \$6,698 CC - \$878,253

11/7/83
(Day 57)

Drilling @ 8039', made 93'.
Remarks: Survey 1¼" at 8039'.

DC - \$11,362 CC - \$889,615

11/8/83
(Day 58)

Drilling @ 8319', made 215'.
Remarks:

DC - \$8,378 CC - \$897,993

11/9/83
(Day 59)

Wash to bottom at 8402' with bit #20.
Made 83'.

Remarks: Tight connections at 8344-
8375'. Lost 300# pump press.
Trip out, tite spot 6 sts and
single off bottom at 7771'.
Found wash out on 4th DC box.
Shock sub and jars leaking. Lay
down jars and shock sub and DC.
Pick up junk basket. Hit bridge
at 7771'. Lost returns - Mix LCM
Pill and regain returns.

DC - \$12,327 CC - \$910,327

11/10/83
(Day 60)

Drilling @ 8504', made 102'.
Remarks: Wash to bottom. Tight
hole and high torque.
Start boiler.

DC - \$9,559 CC - \$919,886

11/11/83
(Day 61)

Trip at 8621', made 117'.
Remarks: High drill pipe torque,
lay down short DC and 3
pt reamer, pick up new
6 pt reamer. Install mud
flow line sensor.

DC - \$13,650 CC - \$933,536

11/12/83
(Day 62)

Drilling @ 8702', made 81'.
Remarks: High drill pipe torque.
Reamed out of gauge hole
from 8377' to 8621'. Kill
speed 350# @ 60 spm.

DC - \$8,249 CC - \$941,785

11/13/83
(Day 63)

Drilling @ 8860', made 158'.
Remarks: Shake of LCM material, raise
vis to 43-45 sec., lower WL
to 8/10cc. Kill speed 350#
@ 60spm.

DC - \$9,005 CC - \$950,790

11/14/83
(Day 64)

Reaming to bottom at 8899', made 39'.
Remarks: Lost partial returns at 8875',
mix 25 sx pill regain circ.,
lost 200 bbls. Lay down 30
jts 4½" X-2 Drill pipe. Lay
down 3 pt and 6 pt reamers. PU
31 jts grade E Drill pipe. Ream
from 8100' to 8899', bridges and
tight hole. DC are now slick.

DC - \$13,614 CC - \$964,404

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for ~~well proposals~~.)

1. oil ☐ well gas ☐ well other ☐ DRY HOLE
2. NAME OF OPERATOR
Arcadia Refining Co.
3. ADDRESS OF OPERATOR
115 West Fifth Street Tyler Texas 75701
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 560' FEL & 465' FSL Sec. 19
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(other)		

5. LEASE
Fee
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Telonis
9. WELL NO.
#1
10. FIELD OR WILDCAT NAME
Wildcat
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
19-14S 9E
12. COUNTY OR PARISH
Carbon
13. STATE
Utah
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Propose to P & A Per Ron Firth's instructions on 12/23/83 @ 11:50 AM

85 sxs - 12,800' Up
85 sxs - 11,800' Up
85 sxs - 9,000' Up
85 sxs - 7,380' Up
25 sxs - Surface with marker

TIGHT HOLE

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED W. H. Arrington, Jr. TITLE Agent DATE 1/10/84

(This space for Federal or State official use)
APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: _____
BY: _____

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

GPO : 1981 O - 347-166

P & A 12/25/83 as follows:

85 sxs - 12,800-12,582'

85 sxs - 11,800-11,540'

85 sxs - 9,000- 8,804'

85 sxs - 7,380- 7,125'

25 sxs - 294-360' with marker

No pipe pulled - 1" cap welded on top of 9 5/8" casing
and 1/4" cap welded on 13 3/8" casing

Job Complete on 12/25/83

***(See Instructions and Spaces for Additional Data on Reverse Side)**

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

NO DRILL STEM TESTS, NO CORES

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			No DST - No Cores

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Ferron	2804	
Dakota	3503	
Morrison	4456	
Curtis	5449	
Entrada	5616	
Carmel	6456	
Navajo	7216	
Kayenta	7564	
Wingate	7628	
Chinle	8035	
Sinarump	8437	
Moenkopi	8446	
Sinbad	9160	
Krabab	9748	
Coconino	9930	
Pennsylvanian	10970	
Manning Canyon	11836	
Humbug	12376	
Deseret	12824	
T.D.	13013	



ARCADIA REFINING COMPANY

HOYT N. BERRYMAN, JR.
Secretary-Treasurer

115 WEST FIFTH STREET
TYLER, TEXAS 75701-4099

January 18, 1984

RECEIVED
JAN 20 1984

State of Utah Natural Resources
Oil & Gas & Mining
4241 State Office Bldg.
Salt Lake City, Ut 84114

**DIVISION OF
OIL, GAS & MINING**

Attn: Mr. R.J. Firth

Re: TELONIS #1
Carbon County, Utah

Dear Mr. Firth:

Please find enclosed a set of logs on the above referenced well. I request that you keep these logs tight for two (2) years.

Thank You for your cooperation.

Sincerely,

ARCADIA REFINING COMPANY

James P. Balkey
James P. Balkey
Geologist

JPB/jdg

enclosures

DWA
12.23.83

UTAH STATE
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS
REGIONAL OFFICE

INSPECTION RECORD - ABANDONMENT

TELONIS # 1

Date Mar 1, 1984
Location (S-T-R) SE SE 19, 14S 9E
Field Area 7 1/2 mi South of Price
County CARBON
State UTAH
Inspector DOUTRE

District _____
Operator ARCADIA REFINING CO.
Contractor & Rig 46
Lease Number _____
Type of Well* DRY HOLE, NEVER PRODUCE
INC Issued _____

1. Plugs spotted across perforations if casing set?
2. Plugs spotted at casing stubs?
3. Open hole plugs spotted as specified?
4. Retainers, bridge plugs, or packers set as specified?
5. Cement quantities as specified?
6. Method of verifying and testing plugs as specified?
7. Pipe withdrawal rate satisfactory after spotting plug?
8. All annular spaces plugged to surface?

YES	NO	NA	BNP

Plug tested: ☒ No ☐ Pressured ☐ Tagged
If tested, which plug(s) _____

Cement and mechanical plug placement data (attach service company report if available): _____

Cement plug spotting method: _____

Operation(s) witnessed: _____

Additional Remarks: THIS WELL WAS PLUGGED AND ABANDONED ON Dec 25, 1983.
An 8 ft. 4inch pipe properly identifies the site, welded into the top of the
Casing. The area was very muddy, and It will be necessary to spread the topsoil
after cleaning up the area, of old cable, polyethylene black film, fill the
rat hole, The 100 x 200 fenced sump, & 2 ponds) (1) 60 x 60. 1 large propane
Tank is situated on the topsoil pile, The entire area should then be reseeded

* Dry hole, depleted producer, service, water well, etc.



L. A. Andersen
District Manager

Texaco USA

951 Werner Court Suite 360
P O Box 3360
Casper WY 82602
307 234 5353

May 14, 1987

RECEIVED
MAY 18 1987

Utah Board of Oil, Gas and Mining
3 Triad Center, Suite 350
Salt Lake City, Utah 84180

DIVISION OF
OIL, GAS & MINING

Re: Application for Salt Water Disposal
Arcadia Telonis Well No. 1

Gentlemen:

Pursuant to Rule 502, attached is an application for salt water disposal into Arcadia Telonis Well No. 1 (Section 19, T14S, R9E, Carbon County, Utah). This well is a part of a pilot coal dewatering project in which we are attempting to dewater coal beds within the Ferron Sandstone for the ultimate purpose of hydrocarbon gas production. The producing well in this project will be Texaco's E. G. Telonis Well No. 1 located about one mile northeast of Arcadia Telonis Well No. 1. The Arcadia Telonis Well No. 1 was drilled by the Arcadia Refining Company in 1983 and was abandoned. We plan to re-enter the wellbore and search for a suitable zone for salt water disposal. At this time we have no injectivity data or water analyses to offer for any prospective SWD zones. Our plans are to test the Morrison and depending upon results, the Curtis and/or Dakota. A water sample will be obtained and analyzed and an injectivity test performed for each zone tested.

We request that our application be conditionally approved administratively subject to a water analysis yielding at least 10,000 ppm total dissolved solids and subject to an injectivity acceptable to the Utah Board of Oil, Gas and Mining. Following is the information required to process our application for salt water disposal.

- 1) Exhibit 1 is a plat showing the required information.
- 2) Exhibit 2a is a copy of the electric log and Exhibit 2b is a copy of the porosity log for each prospective SWD interval. It should be noted that the porosity log was not run through the interval 5004'-9526'.
- 3) No cement bond log or other log indicating cement top was run. A cement bond log will be run prior to testing the well. The surface casing was cemented to surface.
- 4) Not applicable.
- 5) The subject well has 13-3/8" OD, 54.5 pound per foot surface casing set at 1072' KB. The production string consists of 9-5/8" OD, 40 pound per foot S95 casing set at 7380' KB. The casing-tubing annulus above the packer shall be tested to a pressure equal to the maximum authorized injection pressure or to a

pressure of 1000 psi whichever is lesser, provided that no test pressure will be less than 300 psi.

6) Approximately 250 barrels of produced water per day from coal beds within the Ferron Sandstone will be disposed.

7) Exhibit 3 shows an analysis of Ferron Sandstone water which was produced from E. G. Telonis Well No. 1. Water analyses for our potential disposal zones are not available at this time but will be obtained when the disposal zones are tested. Compatibility tests are not available for the same reason.

8) Injection pressures will depend upon results of well tests.

9) Thick shale sections provide barriers above each possible injection zone that would prevent the migration of injected water into uphole fresh water zones. Shales in general have a higher Poisson's ratio than sandstones which corresponds to a higher fracture pressure for shales than for sandstones. It is difficult to locate measured values of Poisson's ratio of a sandstone and a shale in the same field. However, as an example, the Dakota Sandstone in Grand County, Utah has a Poisson's ratio of 0.18 at a depth of 3900' while the Mancos "B" shale in Rio Blanco County, Colorado has a Poisson's ratio of 0.33 at a depth of 2249'-3216'. These values were obtained from Halliburton's "Fracbook II".

10) The injection interval will be the Dakota Sandstone, the Morrison Formation or the Curtis Sandstone. The Dakota occurs at a depth of 3503' KB (+2894 MSL) and is 27 feet thick. The Dakota is an "orange to yellow-gray, medium to coarse grained" massive sandstone with "occasional sandy shale and conglomerate". The sands are "cross bedded and friable". The Morrison Formation occurs at a depth of 4370' KB (+2027' MSL) and is 636 feet thick. It is usually divided into "a lower Salt Wash Sandstone and an upper Brushy Basin Shale". A conglomeratic brown bed usually occurs someplace within the Morrison. Most of the unit consists of soft shales. The Curtis Formation occurs at a depth of 5472' KB (+925 MSL) and is 188 feet thick. The Curtis is composed of a light colored clean sandstone at the top and a shaley sandstone at the bottom.

The confining intervals of the Dakota are the Tununk and Cedar Mountain Formations. The Tununk Shale occurs at a depth of 3141' KB (+3256 MSL) and is 362 feet thick. The Tununk is a "bluish gray shale that is sandy toward the top and bottom". The Cedar Mountain Formation occurs at a depth of 3530' KB (+2867' MSL) and is 840 feet thick. The Cedar Mountain consists primarily of shales and mudstones which are light lavender in color. Also present in the Cedar Mountain are thin (2'-4') sandstone beds and a thicker conglomerate.

The confining intervals of the Morrison are the Cedar Mountain and the Summerville Formation. The Summerville occurs at a depth of 5006' KB (+1391 MSL) and is 466 feet thick. The Summerville is a siltstone and sandstone with thin anhydrite beds at the top of the zone.

The confining intervals of the Curtis Formation are the

Summerville Formation and the Entrada Sandstone. The Entrada occurs at a depth of 5660' KB (+737 MSL) and is 800 feet thick. The Entrada is composed primarily of "reddish brown silty sandstones". Our mud log indicates that red shales occur throughout the Entrada.


It should be noted that all of the above formation tops were chosen by Arcadia Refining Company and are somewhat subjective. Unless otherwise noted, the above formation descriptions were taken from the article "Emery Coal Field" written by H. H. Doelling and published in the Utah Mineralogical Survey Monograph Series No. 3, 1972. Quotes from that paper are as indicated above. The Emery Coal Field is located approximately 65 miles from our Thunderwest Prospect which gives an indication of the lateral extent of the various formations.

11) There are no other wells within a one-half mile radius of our proposed injection well.

12) Exhibit 4 is an affidavit certifying that a copy of the application has been sent to all operators, owners, and surface owners within a one-half mile radius of the proposed injection well.

If additional information is required, please advise me as soon as possible. It may be necessary to install a pipeline across Federal land and we may be restricted as to when construction work can take place due to the Mule Deer migration. This is the situation at the Gov't W. A. Drew lease which is about 2.4 miles southeast of Arcadia Telonis. Because of this, your expeditious approval of this application will be appreciated.

Sincerely,



L. A. Andersen
District Manager

MFK/ljw

APPLICATION FOR INJECTION WELL

Operator: Texaco Inc. Telephone: 307-234-5353

Address: P.O. Box 3360

City: Casper State: WY Zip: 82602

Well no.: 1 Field or Unit name: Telonis

Sec.: 19 Twp.: 14S Rng.: 9E County: Carbon Lease no. patented

	<u>YES</u>	<u>NO</u>
Is this application for expansion of an existing project?.....	<u> </u>	<u> X </u>
Will the proposed well be used for: Enhanced recovery?.....	<u> </u>	<u> X </u>
Disposal?.....	<u> X </u>	<u> </u>
Storage?.....	<u> </u>	<u> X </u>
Is this application for a new well to be drilled?.....	<u> </u>	<u> X </u>
Has a casing test been performed for an existing well?.....	<u> </u>	<u> X </u>

(If yes, date of test:)

Injection Interval: from ? to ?

Maximum Injection: rate ? pressure ? psig

Injection zone contains n.a. oil, n.a. gas or n.a. fresh water within 1/2 mile.

Additional information as required by Rule 502 should accompany this form.

I hereby certify that the foregoing is true and correct to the best of my knowledge:

Signed: *J. Anderson* Title: Date:

(This space for DOGM approval)

Approved by: Title: Date:

EXHIBIT 1

Item 1 - Surface Owners:

Fotini Telonis, Evangelos G. Telonis, Thomas G. Telonis,
John G. Telonis, c/o:

Luke G. Pappas, Attorney-in-fact
for Fotini Telonis
23 S. Carbon Avenue
Price, Utah 84501

Steve J. Daimanti
P.O. Box 1076
Flagstaff, Arizona 86001

and

Angelo Georgedes
761 North 300 East
Price, Utah 84501

Guardians for Evangelos G., Thomas G. and John G. Telonis

Lease operator: Texaco Inc.

Item 2 - Surface owners: Jack T. Birkinshaw and Ethel Birkinshaw
525 North Ethel Avenue
Alhambra, California 91801

Lease operator: Texaco Inc.

Item 3 - Surface owner: Alan Thomas
6500 Propyry Bench
Route 2, Box 44-MI
Price, Utah 84501

Lease owner: Alan Thomas

Item 4 - Surface owner: United States of America

Lease operator: Arcadia Refining Co.
115 W. 5th Street
Tyler, Texas 75701

Item 5 - Forty foot wide road in section 19

Surface owner: Carbon County, Utah
120 E. Main
Price Utah 84501

Lease owner: Carbon County, Utah
120 E. Main
Price Utah 84501

Schlumberger

DUAL INDUCTION-SFL CALIPER GAMMA RAY

CSU

COMPANY: ARCADIA REFINERY COMPANY

WELL: TELONIS #1

FIELD: WILDCAT
COUNTY: CARBON

LOCATION:

SEC: 19

TWP: 14S

RGE: 9E

PERMANENT DATUM: GROUND LEVEL ELEVATIONS-
ELEV. OF PERM. DATUM: 6371.0
LDB MEASURED FROM: KB
26.0 ABOVE PERM. DATUM
DRLG. MEASURED FROM: KBDATE: 29 OCT 1983
RUN NO: 1DEPTH-DRILLER: 7225.0
DEPTH-LOGGER: 7268.0
BTM. LOG INTERVAL: 7262.0
TOP LOG INTERVAL: 1070.0
CASING-DRILLER: 1075
CASING-LOGGER: 1070
CASING: 13 3/8
BIT SIZE: 12 1/4

OTHER SERVICES-

LDT
CNL
EPT
CYBERLOOKPROGRAM
TAPE NO: 24.2
SERVICE
ORDER NO: 309565

TYPE FLUID IN HOLE: LOW SOLIDS LIGHTLY DISPERS
DENSITY: 8.8 LB/G
VISCOSITY: 36.0 S
PH: 10.5
FLUID LOSS: 9.6 CC
SOURCE OF SAMPLE: MUD TANK
RM: 0.533 DHMM AT 70.0 DEGF
RMF: 0.413 DHMM AT 82.0 DEGF
RMC: 0.799 DHMM AT 70.0 DEGF
SOURCE RMF/RMC: MEAS/CALC
RM AT BHT: 0.310 DHMM AT 125. DEGF
RMF AT BHT: 0.278 DHMM AT 125. DEGF
RMC AT BHT: 0.466 DHMM AT 125. DEGF

TIME CIRC. STOPPED: 0900 10-29
TIME LOGGER ON BTM.: 1330 10-29

MAX. REC. TEMP: 125.0 DEGF

LOGGING UNIT NO: 8305
LOGGING UNIT LOC: VERNAL (4316)
RECORDED BY: BILL HEIAM
WITNESSED BY: BILL COVEY

REMARKS:

CREW: BOB LATHAM & JOHN CONKERN

Exhibit 2a

<div style="transform: rotate(-45deg); font-weight: bold; font-size: 2em;">FILE</div>		OTHER SERVICES- LDT CNL EPT - CYBERLOOK
PROGRAM TAPE NO: 24.2 SERVICE ORDER NO: 309565		

TYPE FLUID IN HOLE: LOW SOLIDS LIGHTLY DISPERS
 DENSITY: 8.8 LB/G
 VISCOSITY: 36.0 S
 PH: 10.5
 FLUID LOSS: 9.6 CC
 SOURCE OF SAMPLE: MUD TANK
 RM: 0.533 DHMM AT 70.0 DEGF
 RMF: 0.413 DHMM AT 82.0 DEGF
 RMC: 0.799 DHMM AT 70.0 DEGF
 SOURCE RMF/RMC: MEAS/CALC
 RM AT BHT: 0.310 DHMM AT 125. DEGF
 RMF AT BHT: 0.278 DHMM AT 125. DEGF
 RMC AT BHT: 0.466 DHMM AT 125. DEGF

 TIME CIRC. STOPPED: 0900 10-29
 TIME LOGGER ON BTM.: 1330 10-29

 MAX. REC. TEMP: 125.0 DEGF

 LOGGING UNIT NO: 8305
 LOGGING UNIT LOC: VERNAL (4316)
 RECORDED BY: BILL HEIAM
 WITNESSED BY: BILL COVEY

REMARKS:

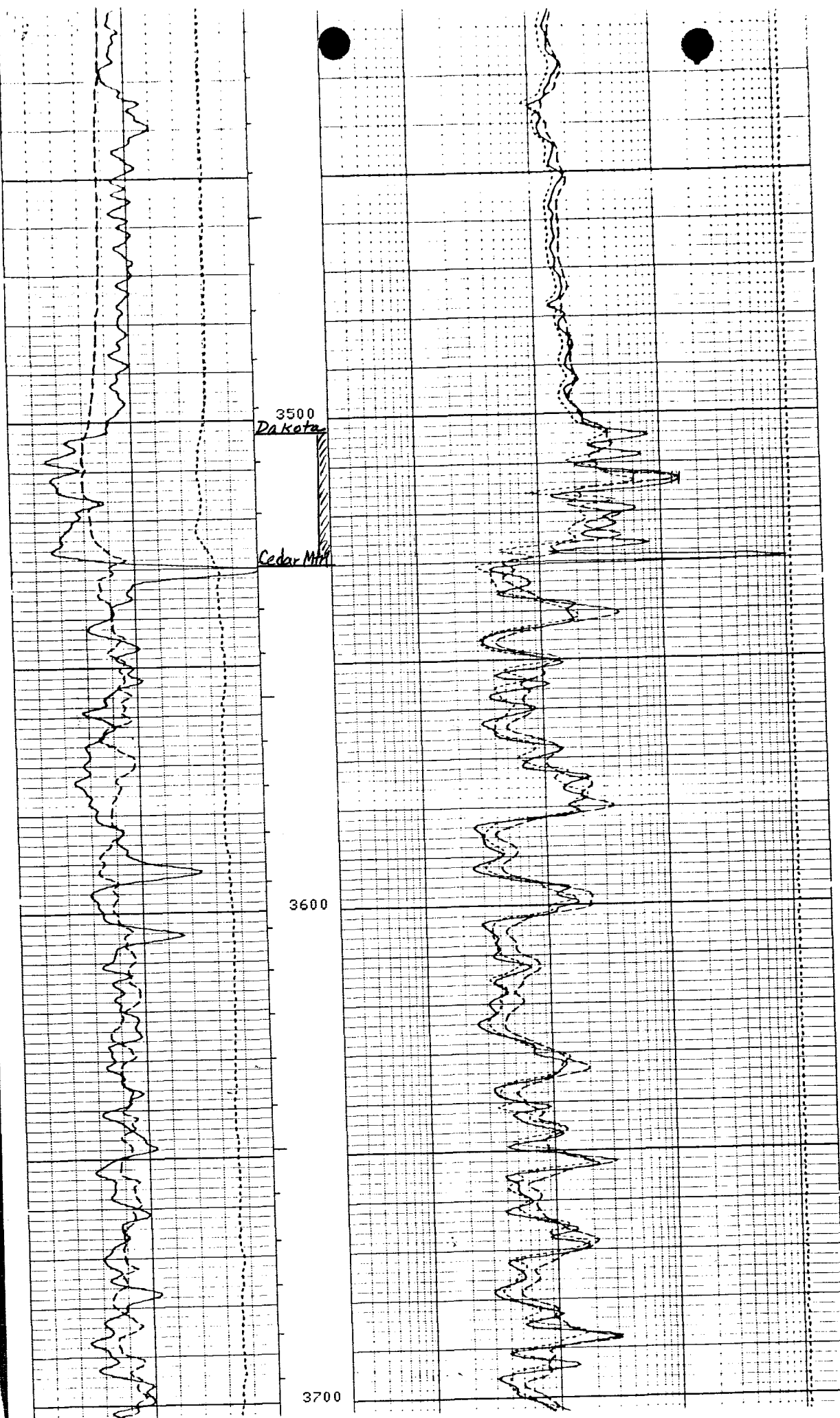
CREW: BUD LATHAM & JON SUNKEES
 DATA NOT CORRECTED FOR HOLE SIZE. SP SHIFT @ 6760
 TOOL STRING: DTD MCDB SGTE
 MAX CALIPER READING IS 15"

EQUIPMENT NUMBERS-

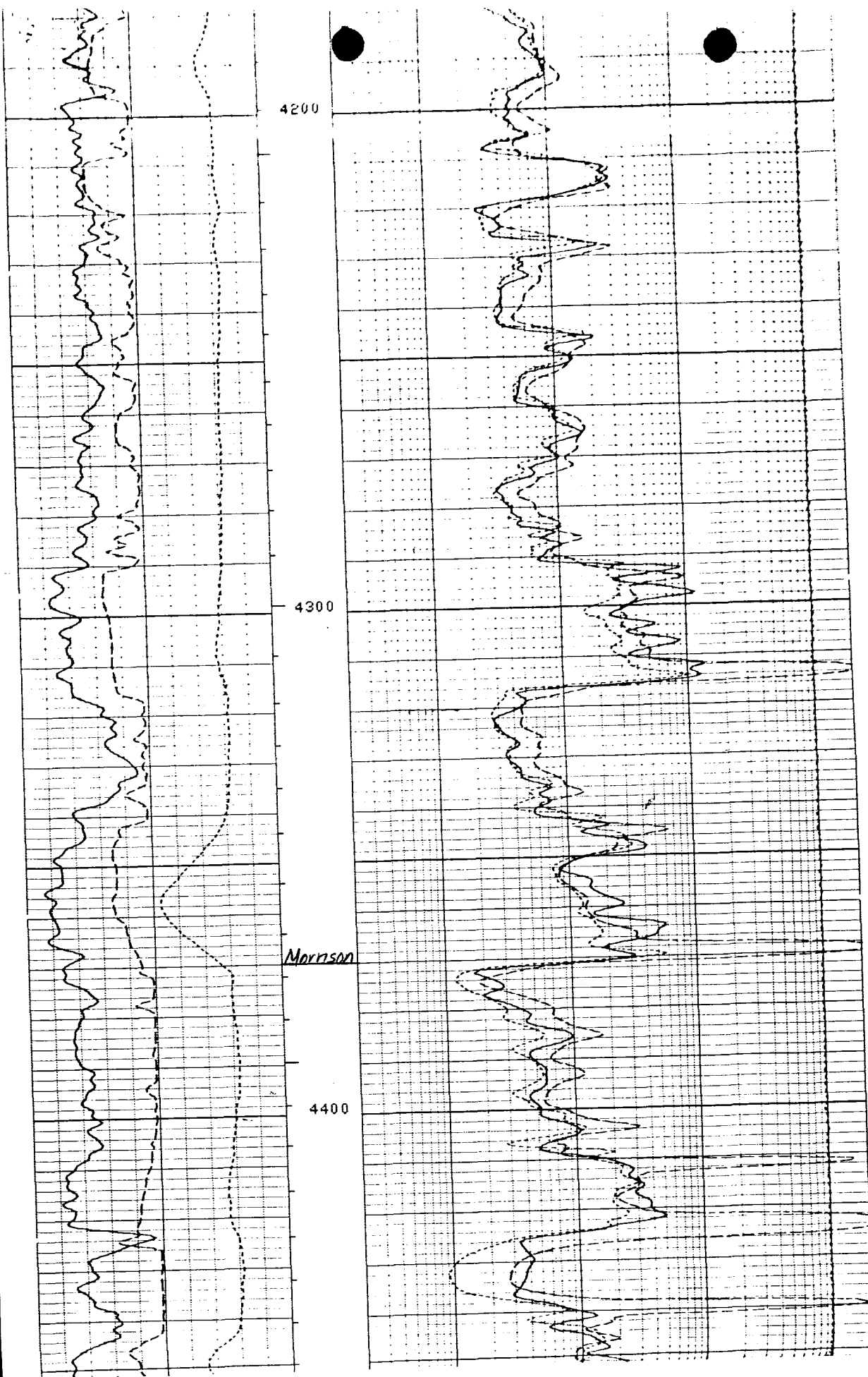
DIS-EA 229 DIC-DA 185 SGC-JC 1463 MCD-B 512
 IEM-BD 416 NLM-BC 1144

ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASUREMENTS AND WE CANNOT, AND DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATIONS, AND WE SHALL NOT, EXCEPT IN THE CASE OF GROSS OR WILLFUL NEGLIGENCE ON OUR PART, BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COSTS, DAMAGES OR EXPENSES INCURRED OR SUSTAINED BY ANYONE RESULTING FROM ANY INTERPRETATION MADE BY ANY OF OUR OFFICERS, AGENTS OR EMPLOYEES. THESE INTERPRETATIONS ARE ALSO SUBJECT TO OUR GENERAL TERMS AND CONDITIONS AS SET OUT IN OUR CURRENT PRICE SCHEDULE.

CALI (IN)		ILD (DHMM)	
10.000	20.000	0.0	100.00
GR (GAPI)		SFLA (DHMM)	
0.0	150.00	0.0	100.00
SP (MV10)		CILD (MMHQ)	
-100.0	0.0	400.00	0.0



▨ Probable test interval

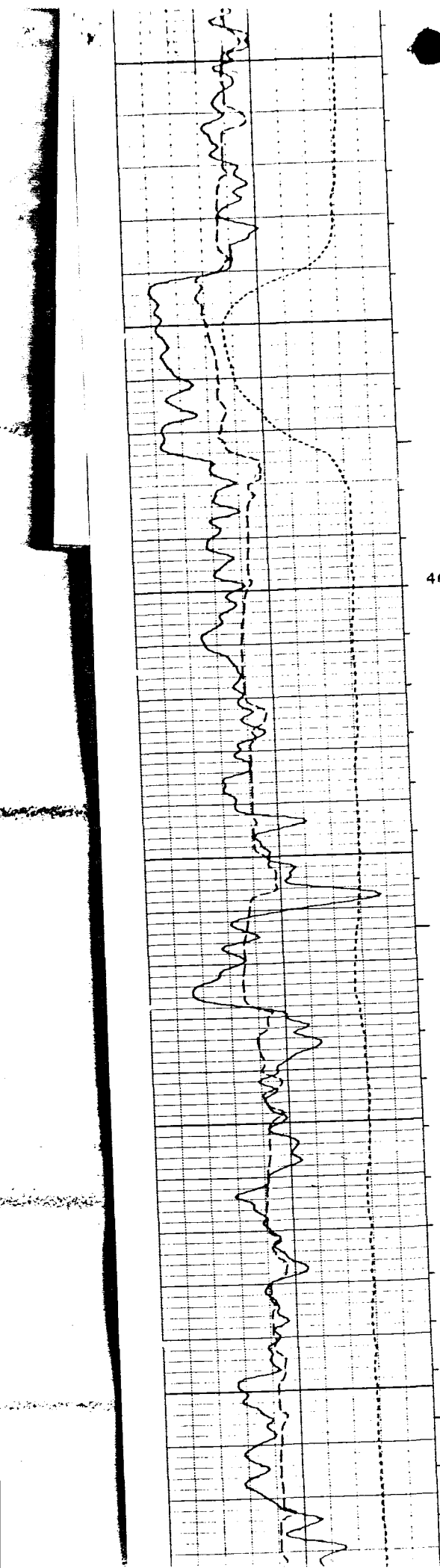


4200

4300

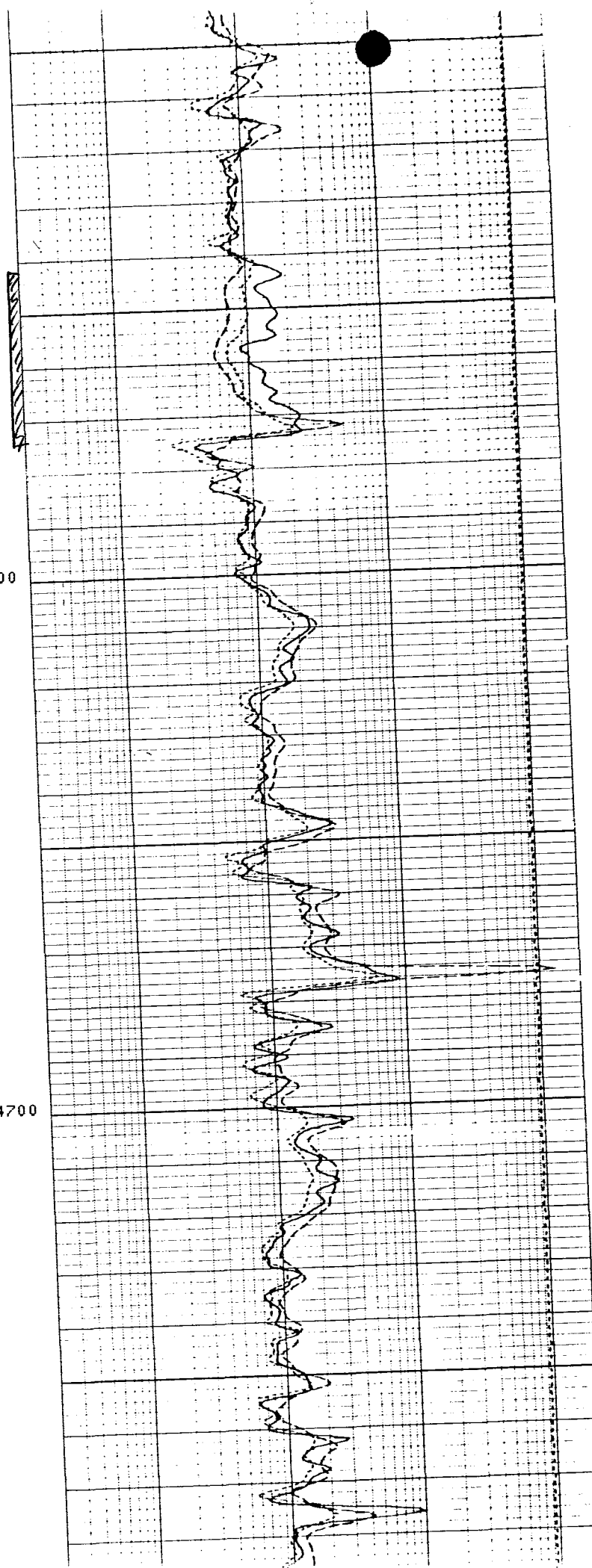
Morrison

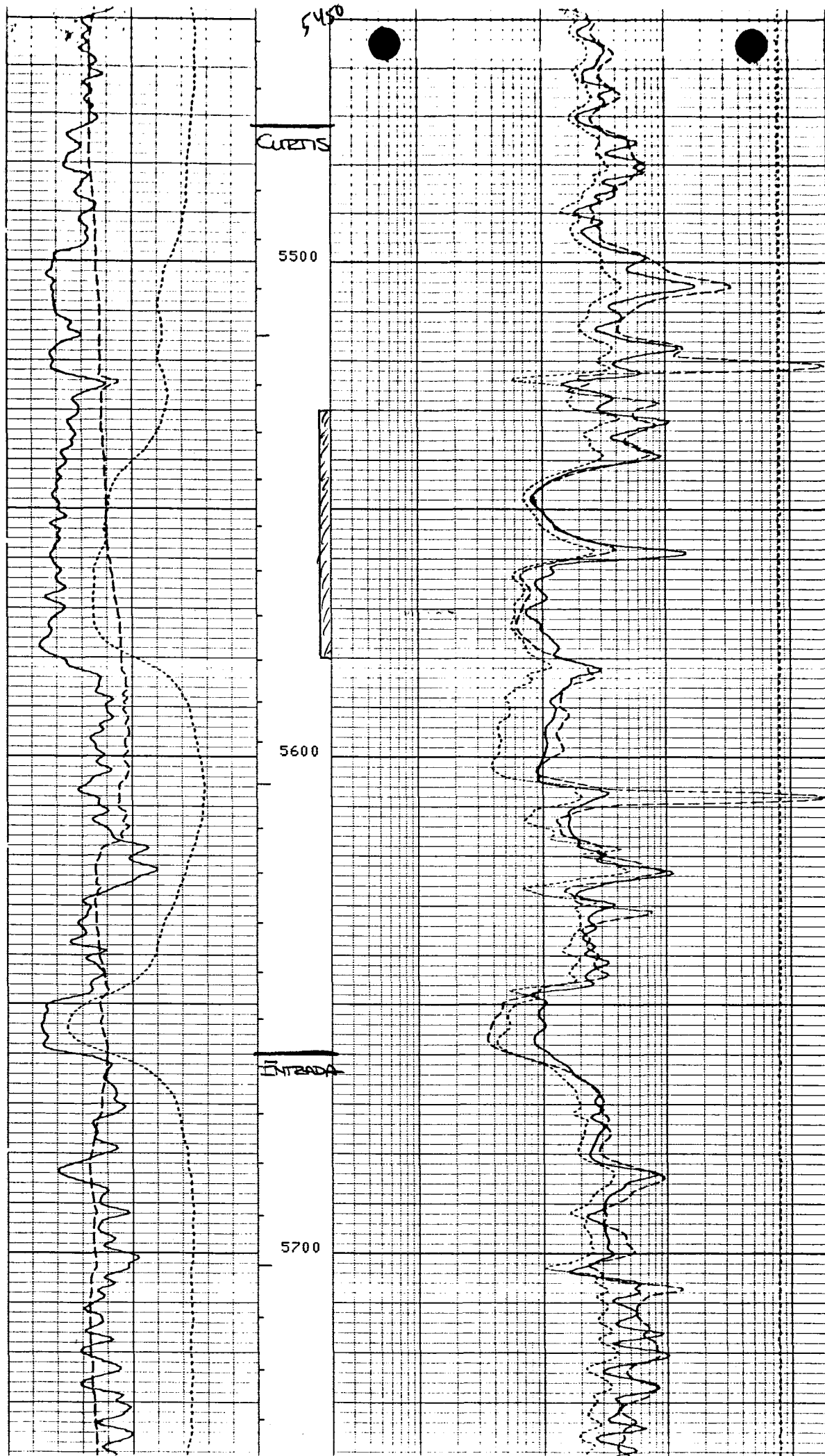
4400



4600

4700





Schlumberger

COMPENSATED NEUTRON - LITHO-DENSITY

CSU

Only Run

COMPANY: ARCADIA REFINERY COMPANY WELL: TELONIS #1 FIELD: MILDCA COUNTY: CARBON STATE: UTAH NATION: USA LOCATION:		OTHER SERVICES- DIL CYBERLOOK	
SEC: 19 TUP: 14S RGE: 9E	PERMANENT DATUM: GL ELEV. OF PERM. DATUM: 6371.0 LOG MEASURED FROM: KB 26.0' ABOVE PERM. DATUM DRG. MEASURED FROM: KB ELEVATIONS- KB: 6397.0 DFI: 6396.0 GL: 6371.0		
DATE: 23 DEC 1983 RUN NO: 2	PROGRAM TAPE NO: 24.2 SERVICE ORDER NO: 275927		
DEPTH-DRILLER: 13013.0 DEPTH-LOGGER: 13008.0 BTM. LOG INTERVAL: 13004.0 TOP LOG INTERVAL: 11700.0 CASING-DRILLER: 1075 CASING-LOGGER: 1070 CASING: 13.375 BIT SIZE: 12.25	7380 7371 9.625 8.75		

HOLE

TYPE FLUID IN HOLE:	LSLD
DENSITY:	8.9 LB/G
VISCOSITY:	52.0 S
PHI:	11.0
FLUID LOSS:	
SOURCE OF SAMPLE:	MUDTANK
RM:	0.740 DHMM AT 64.0 DEGF
RMF:	0.460 DHMM AT 64.0 DEGF
RMC:	1.110 DHMM AT 64.0 DEGF
SOURCE RMF/RMC:	MEAS/CALC
RM AT BHT:	0.255 DHMM AT 199. DEGF
RMF AT BHT:	0.158 DHMM AT 199. DEGF
RMC AT BHT:	0.382 DHMM AT 199. DEGF
TIME CIRC. STOPPED:	0800
TIME LOGGER ON BTM.:	2200
MAX. REC. TEMP:	199.0 DEGF
LOGGING UNIT NO:	8220
LOGGING UNIT LOC:	VERNAL (4316)
RECORDED BY:	KENT FOX
WITNESSED BY:	MR. BALKEY MR. DIRST

	OTHER SERVICES- DLL CYBERLOOK	
	PROGRAM TAPE NO: 24.2 SERVICE ORDER NO: 275927	

TYPE FLUID IN HOLE: LSLD
 DENSITY: 8.9 LB/G
 VISCOSITY: 52.0 S
 PH: 11.0
 FLUID LOSS:
 SOURCE OF SAMPLE: MUDTANK
 RM: 0.740 DHMM AT 64.0 DEGF
 RMF: 0.460 DHMM AT 64.0 DEGF
 RMC: 1.110 DHMM AT 64.0 DEGF
 SOURCE RMF/RMC: MEAS/CALC
 RM AT BHT: 0.255 DHMM AT 199. DEGF
 RMF AT BHT: 0.158 DHMM AT 199. DEGF
 RMC AT BHT: 0.382 DHMM AT 199. DEGF

 TIME CIRC. STOPPED: 0800
 TIME LOGGER ON BTM.: 2200

 MAX. REC. TEMP: 199.0 DEGF

 LOGGING UNIT NO: 8220
 LOGGING UNIT LOC: VERNAL (4316)
 RECORDED BY: KENT FOX
 WITNESSED BY: MR. BALKEY MR. DIRST

REMARKS:

INTERVAL LOGGED AT CUSTOMER REQUEST
 CREW: PERRY HAYDEN WADE CHRISTIANSEN

EQUIPMENT NUMBERS-

DLS-E 747	DLC-BB 1966	DLM 895	SRS-A 1826
PDH-L 1838	NSC-D 881	CNC-H 290	CIM-BA 138

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FILE

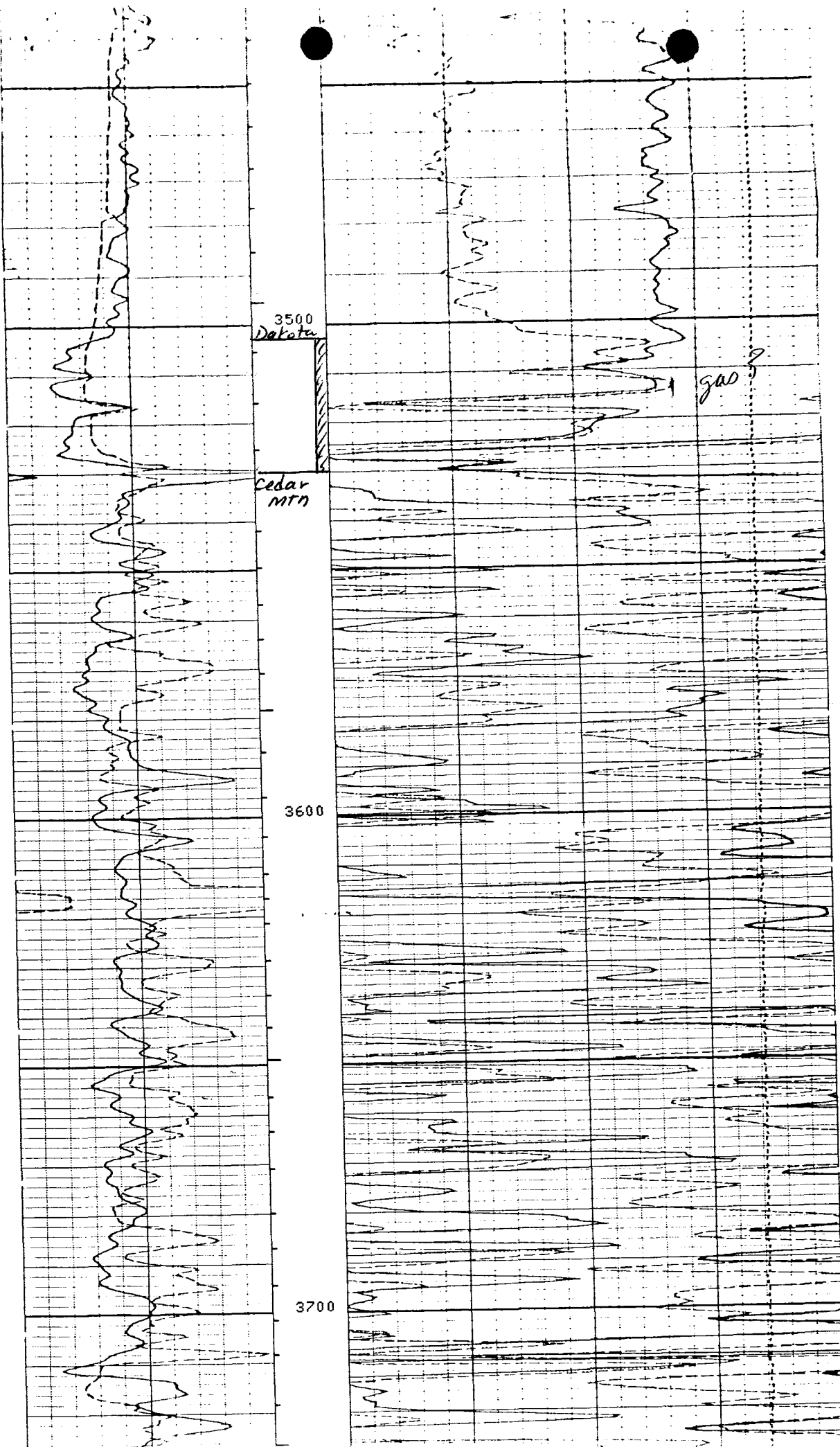
6

CHANGED PARAMETERS

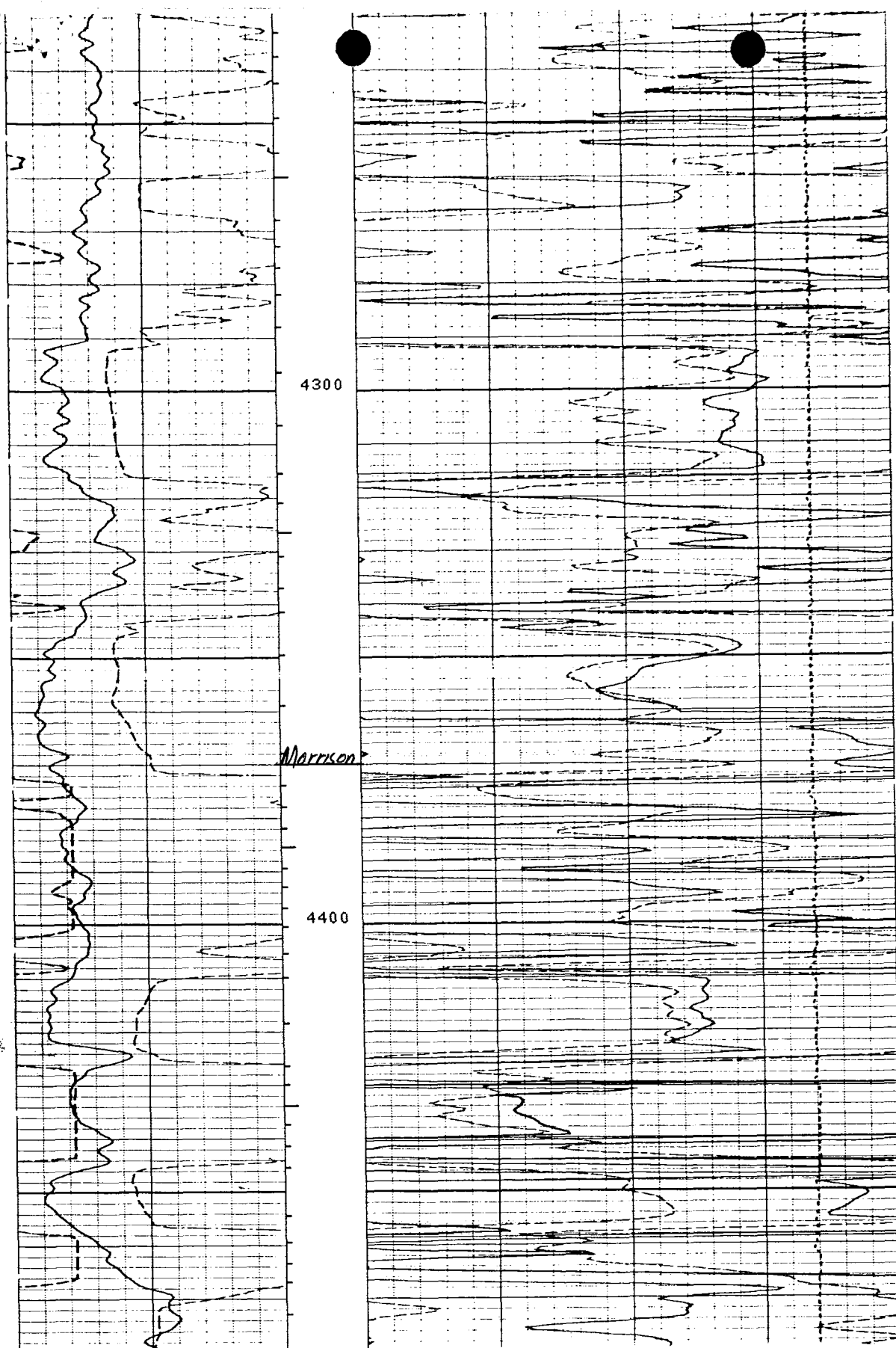
NAME	VALUE	UNIT	DEPTH (F)	NAME	VALUE	UNIT	DEPTH (F)
TPM	7.20000	NS/M	5097.5				
						TENS(LB)	
						10000.	0.0
						NPHI(SAND)	
						0.7000	0.3000
						DPHI(2.65)	
						0.3000	-0.100
						NPHI(SAND)	
						0.3000	-0.100

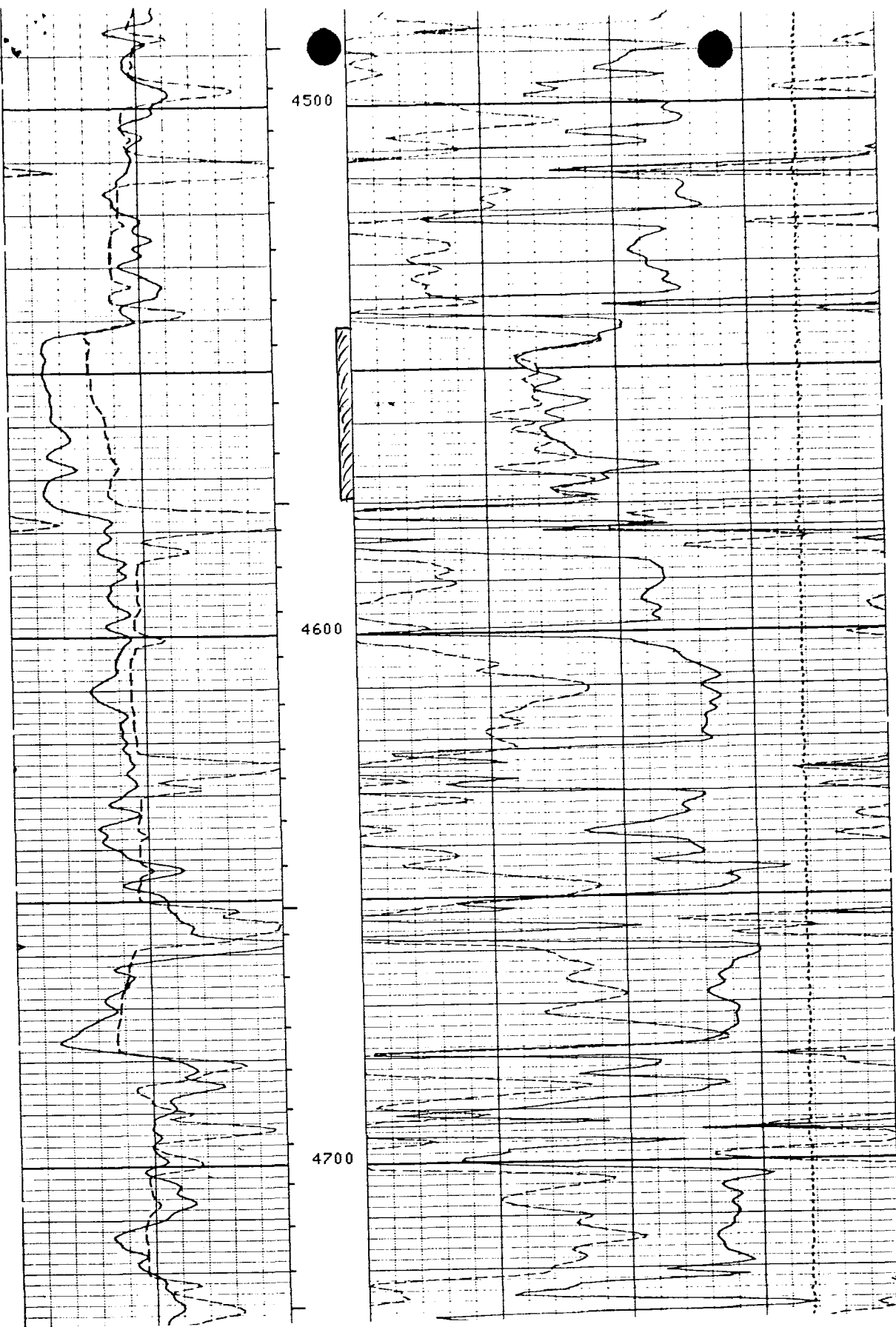
FILE

Exhibit 2 b



▣ Probable test interval







L. A. Andersen
District Manager

Texaco USA

951 Werner Court Suite 360
P O Box 3360
Casper WY 82602
307 234 5353

May 21, 1987

Division of Oil, Gas, and Mining
3 Triad Center, Suite 350
Salt Lake City, Utah 84180

Attn: Dan Jarvis

RECEIVED
MAY 26 1987

**DIVISION OF
OIL, GAS & MINING**

Re: Arcadia Telonis Well No. 1
Salt Water Disposal Application

Dear Mr. Jarvis:

Pursuant to your telephone request of May 20, 1987, attached is a wellbore schematic and a tentative procedure for the conversion of the subject well to salt water disposal.

If you require further information, please do not hesitate to call.

Sincerely,

John Craig
for L. A. Andersen
District Manager

MFK/ljw

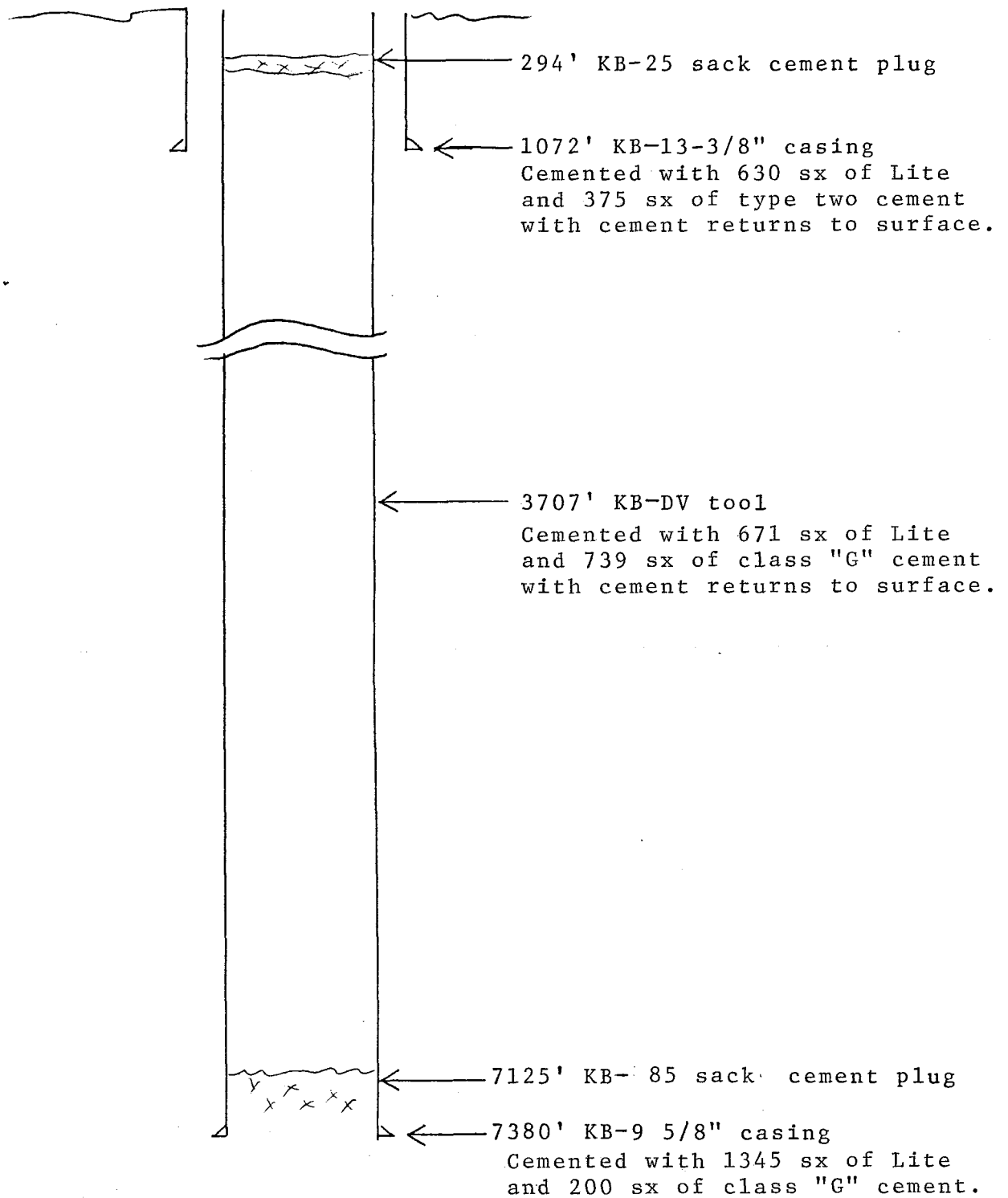
Arcadia Telonis Well No. 1
Tentative Workover Procedure

1. Move in service unit, install BOP's.
2. Trip in hole with bit & scraper. Drill out to 5700'.
3. Run CBL from 5700' to 3400' or top of cement, whichever is higher.
4. Set cast iron bridge plug at 4700'. Test CIBP to 1000 psi.
5. Cement squeeze if necessary.
6. Perforate 4542'-4574' with four jet shots per foot.
7. Trip in hole with tubing and packer. Swab and recover a formation water sample for analysis.
8. Rig up pump truck and commence step rate injectivity test.
9. Acidize as necessary.
10. Trip out of hole with workstring. Trip in hole with plastic coated tubing and packer. Circulate packer fluid. Place well on disposal.

If injectivity is inadequate, test the Curtis (5530'-5580') and/or the Dakota (3503'-3530') as in steps 5 through 10 above. If the total dissolved solids are less than 10,000 ppm, an aquifer exemption will be applied for.

Arcadia Telonis Well No. 1

Wellbore Schematic
(not to scale)



Texaco - Coal dewatering project
producers - Texaco E. & Telonius #1

Exhibit 1 surface ownership

Exhibit 2 E-log, no porosity
log between 5004-9526

Dakota 3500'

~~Morrison~~ Cedar Mtn. 3530

Morrison 4370. (proposed injection
zone)
4542' - 4574'

Curtis 5472'

(zone 5530' - 5580)

Entrada 5660'

3 no cement Bond log
(calculated see Attached.)
Cmt bond log will be
run prior to testing well
if surface casing cmt to surface.

4. —

5 casing program see attached

⑥ approx. 250 bbls of H₂O
will be disposed.

⑦ Exhibit 3
Ferm Sandstone WATER Analysis
From producing E. G. Telonias

— WATER samples from formation
will be submitted when well
is tested.

⑧ Pressure subject to test

⑨ Description of confining intervals

⑩ Geology of proposed injection zones

⑪ no wells within a $\frac{1}{2}$ mile
radius

⑫ Exhibit 4.
Affidavit ~~of~~ certifying
application has been sent to
land owners

TEXACO U.S.A. - Arcadia Telenias # 1

Sec 19. T14S. R9E. Carbon County Utah.

conditions for approval

- Injectivity Test must be run to determine Rates and Pressures. it is anticipated that 250 bbls of water/day are going to be disposed of.
 - Formation fluid Analysis must be done
 - Compatibility of fluid test must be done
 - Mechanical Integrity test shall be run after completion of well.
 - The injection interval shall be determined during the testing of the well
- proposed zones to be tested are
- Dakota Sandstone - 3503' - 3530'
- Morrison Formation - 4542 - 4574'
- Curtis Sandstone - 5530' - 5580'

UIC CHECKLIST FOR APPLICATION APPROVAL

OPERATOR TEXACO USA WELL NUMBER ARCADIA Telonias #1
 SEC. 19 T. 14S R. 9E COUNTY CARBON
 API # 43-007-30093

NEW WELL _____ DISPOSAL WELL ☒ ENHANCED RECOVERY WELL _____

- | | | |
|----------------------------------|---|--|
| - Plat showing surface ownership | Yes <input checked="" type="checkbox"/> | No _____ |
| - Application forms complete | Yes <u>see below</u> | No <u>_____</u> |
| - Schematic of well bore | Yes <u>see below</u> | No <input checked="" type="checkbox"/> |
| - Adequate geologic information | Yes <input checked="" type="checkbox"/> | No _____ |
| - Rate and Pressure information | Yes <u>see below</u> | No <u>_____</u> |
| - Fluid source | Yes <input checked="" type="checkbox"/> | No _____ |
| - Analysis of formation fluid | Yes <u>see below</u> | No <u>_____</u> |
| - Analysis of injection fluid | Yes <input checked="" type="checkbox"/> | No _____ |
| - USDW information | Yes _____ | No <input checked="" type="checkbox"/> |
| - Mechanical integrity test | Yes <u>see below</u> | No <u>_____</u> |

Comments: I drew a schematic of the well bore and
did cement calculations. It appears Both surface
and long string are cemented to surface. See
attached sheet for well bore diagram and
conditions for approval. I have requested a
copy of the proposed workover procedure and well bore
schematics.

Reviewed by Dan Jamis

Also need USDW info.
 I think there should be no
 problem

There are no other
 wells in the area
 of review

Present Well
Bore diagram
and cement
Program.

Arcadia Refining Telenias #1
SESE sec 19, 14S, 9E

1072' 13³/₈"

Surface casing 13³/₈" in 17¹/₂"
hole to 1072'
cemented with 1105 SXS cement

.6946 Annular volume

$$1105 \text{ ft}^3 \div \frac{.6946 \text{ ft}^3}{\text{ft}} = 1590 \text{ ft cement}$$

7380 intermediate casing 9⁵/₈" in
12¹/₄" hole to 7380'
cemented with 2955 SX
.3131 Annular Volume

$$2955 \text{ ft}^3 \div \frac{.3131 \text{ ft}^3}{\text{ft}} = 9437 \text{ ft cement}$$



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

May 29, 1987

Newspaper Agency Corporation
Legal Advertising
157 Regent Street
Salt Lake City, Utah 84110

Gentlemen:

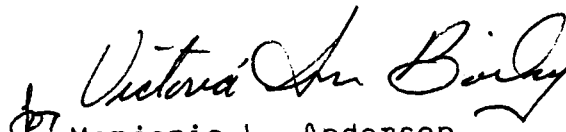
Re: Notice - CAUSE NO. UIC-098

Attached is a Notice before the Division Oil, Gas and Mining,
Department of Natural Resources, State of Utah.

It is requested that this notice be published ONCE ONLY, as soon as possible, but no later than the 5th day of June, 1987. In the event that said notice cannot be published by this date, please notify me immediately by calling 538-5340.

Upon completion of this request, please send proof of publication and statement of cost to the Division of Oil, Gas and Mining, 3 Triad Center, Suite 350, Salt Lake City, Utah, 84180-1203.

Sincerely,


Marjorie L. Anderson
Administrative Assistant

Attachment
4357V



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

May 29, 1987

Sun Advocate
Legal Advertising
Post Office Box 1870
Price, Utah 84501

Gentlemen:

Re: Notice - Cause No. UIC-098

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It is requested that this notice be published ONCE ONLY, as soon as possible, but no later than the 5th day of June, 1987. In the event that said notice cannot be published by this date, please notify me immediately by calling 538-5340.

Upon completion of this request, please send proof of publication and statement of cost to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

Sincerely,

for Victoria L. Anderson

Marjorie L. Anderson
Administrative Assistant

Attachment
43570

P 001 770 744

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

★ U.S.G.P.O. 1984-446-014

PS Form 3800, Feb. 1982

Sent to <u>Texaco, Inc.</u> <u>951 Werner Court, Suite 360</u>	
Street and No. <u>P.O. Box 3360</u>	
P.O., State and ZIP Code <u>Casper WY 82602</u>	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date <u>UIC-098</u>	

PS Form 3811, July 1983 UIC-098

Mantelaw

DOMESTIC RETURN RECEIPT

SENDER: Complete items 1, 2, 3 and 4.

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

- ☒ Show to whom, date and address of delivery.
- ☐ Restricted Delivery.

3. Article Addressed to:

Texaco, Inc.
951 Werner Court Suite 360
P.O. Box 3360
Casper, WY 82602

4. Type of Service:

- ☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail

Article Number

P001-770-744

Always obtain signature of addressee or agent and
DATE DELIVERED.

5. Signature — Addressee

X

6. Signature — Agent

X

7. Date of Delivery

6/3/87

8. Addressee's Address (ONLY if requested and fee paid)

P 001 770 745

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

★ U.S.G.P.O. 1984-446-014

PS Form 3800, Feb. 1982

Sent to <u>EPA</u> <u>Region VIII</u>	
Street and No. <u>Mike Strieby</u> <u>999 18th Street-Suite 500</u>	
P.O., State and ZIP Code <u>Denver CO 80202-2405</u>	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date <u>UIC-098</u>	

PS Form 3811, July 1983

SENDER: Complete items 1, 2, 3 and 4.

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

- ☒ Show to whom, date and address of delivery.
- ☐ Restricted Delivery.

3. Article Addressed to:

EPA
Region VIII
Mike Strieby
999 18th Street-Suite 500
Denver, CO 80202-2405

4. Type of Service:

- ☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail

Article Number

P001-770-745

Always obtain signature of addressee or agent and
DATE DELIVERED.

5. Signature — Addressee

X

6. Signature — Agent

X

7. Date of Delivery

6-3-87

8. Addressee's Address (ONLY if requested and fee paid)

P 001 770 541

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to <u>Carbon County, Utah</u> <u>120 E. Main</u>	
Street and No. <u>Price, Utah 84501</u>	
P.O., State and ZIP Code	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date <u>UIC-098</u>	

* U.S.G.P.O. 1986-445-014

PS Form 3800, Feb. 1982

PS Form 3811, July 1983 UIC-098 Marlayne

DOMESTIC RETURN RECEIPT

SENDER: Complete items 1, 2, 3 and 4.

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

- ☒ Show to whom, date and address of delivery.
- ☐ Restricted Delivery.

3. Article Addressed to: Carbon County, Utah
120 E. Main
Price, UT 84501

4. Type of Service:

- ☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail

Article Number

P001-770-541

Always obtain signature of addressee or agent and
DATE DELIVERED.

5. Signature - Addressee

X Noeman Richard

6. Signature - Agent

X

7. Date of Delivery

6-4-89

8. Addressee's Address (ONLY if requested and fee paid)

120 E Main
Price Utah

P 001 770 542

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to <u>Arcadia Refining Co.</u> <u>115 W. 5th Street</u>	
Street and No. <u>Tyler TX 75701</u>	
P.O., State and ZIP Code	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date <u>UIC-098</u>	

* U.S.G.P.O. 1986-445-014

PS Form 3800, Feb. 1982

PS Form 3811, July 1983

DOMESTIC RETURN RECEIPT

SENDER: Complete items 1, 2, 3 and 4.

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

- ☒ Show to whom, date and address of delivery.
- ☐ Restricted Delivery.

3. Article Addressed to: Arcadia Refining Company
115 W. 5th Street
Tyler, TX 75701

4. Type of Service:

- ☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail

Article Number

P001-770-542

Always obtain signature of addressee or agent and
DATE DELIVERED.

5. Signature - Addressee

X Carol Burdick

6. Signature - Agent

X

7. Date of Delivery

6-3

8. Addressee's Address (ONLY if requested and fee paid)

UIC-098 Marlayne

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

★ U.S.G.P.O. 1984-446-014

PS Form 3800, Feb. 1982

Sent to Alan Thomas 6500 Prophecy Bench	
Street and No. Route 2, Box 44-MI	
P.O., State and ZIP Code Price, UT 84501	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date VIC-098	

PS Form 3811, July 1983

SENDER: Complete items 1, 2, 3 and 4.

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

- ☒ Show to whom, date and address of delivery.
- ☐ Restricted Delivery.

3. Article Addressed to: Alan Thomas
6500 Prophecy Bench
Route 2, Box 44-MI
Price, UT 84501

4. Type of Service:

- ☐ Registered
☒ Certified
☐ Express Mail

- ☐ Insured
☐ COD

Article Number

P001-770-543

Always obtain signature of addressee or agent and
DATE DELIVERED.

5. Signature - Addressee

X

6. Signature - Agent

X

7. Date of Delivery

8. Addressee's Address (ONLY if requested and fee paid)

DOMESTIC RETURN RECEIPT

VIC-098 Marlayne

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

★ U.S.G.P.O. 1984-446-014

Form 3800, Feb. 1982

Sent to Jack + Ethel Birkinshaw 525 N. Ethel Avenue	
Street and No. Alhambra CA 91801	
P.O., State and ZIP Code	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date VIC-098	

PS Form 3811, July 1983

VIC-098 Marlayne

SENDER: Complete items 1, 2, 3 and 4.

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

- ☒ Show to whom, date and address of delivery.
- ☐ Restricted Delivery.

3. Article Addressed to:

Jack + Ethel Birkinshaw
525 N. Ethel Avenue
Alhambra, CA 91801

4. Type of Service:

- ☐ Registered
☒ Certified
☐ Express Mail

- ☐ Insured
☐ COD

Article Number

P001-770-544

Always obtain signature of addressee or agent and
DATE DELIVERED.

5. Signature - Addressee

X *Ethel Birkinshaw*

6. Signature - Agent

X

7. Date of Delivery

6-4-87

8. Addressee's Address (ONLY if requested and fee paid)

DOMESTIC RETURN RECEIPT

P 001 770 545

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

★ U.S.G.P.O. 1984-446-014

PS Form 3800, Feb. 1982

Sent to Angelo Georgedes 761 N. 300 E.	
Street and No. Price, Utah 84501	
P.O., State and ZIP Code	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date VIC-098	

Form 3811, July 1983

SENDER: Complete items 1, 2, 3 and 4.

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

- ☒ Show to whom, date and address of delivery.
- ☐ Restricted Delivery.

3. Article Addressed to:
Angelo Georgedes
761 N. 300 E.
Price, Utah 84501

4. Type of Service:	Article Number
<input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail	<input type="checkbox"/> Insured <input type="checkbox"/> COD P001-770-545

Always obtain signature of addressee or agent and
DATE DELIVERED.

5. Signature — Addressee

X

6. Signature — Agent

X

7. Date of Delivery

6-3-87

8. Addressee's Address (ONLY if requested and fee paid)

DOMESTIC RETURN RECEIPT

VIC-098 Marlayne

P 001 770 546

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

★ U.S.G.P.O. 1984-446-014

PS Form 3800, Feb. 1982

Sent to Steve J. Daimanti P.O. Box 1076	
Street and No. Flagstaff AZ 86001	
P.O., State and ZIP Code	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date VIC-098	

PS Form 3811, July 1983

SENDER: Complete items 1, 2, 3 and 4.

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

- ☒ Show to whom, date and address of delivery.
- ☐ Restricted Delivery.

3. Article Addressed to:
Steve J. Daimanti
P.O. Box 1076
Flagstaff AZ 86001

4. Type of Service:	Article Number
<input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail	<input type="checkbox"/> Insured <input type="checkbox"/> COD P001-770-546

Always obtain signature of addressee or agent and
DATE DELIVERED.

5. Signature — Addressee

X

6. Signature — Agent

X

7. Date of Delivery

8. Addressee's Address (ONLY if requested and fee paid)

DOMESTIC RETURN RECEIPT

VIC-098 Marlayne

P 001 770 547

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to Mr. Luke G. Pappas 23 S. Carbon Ave.	
Street and No. Price, UT 84501	
P.O., State and ZIP Code	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date UIC-098	

★ U.S.G.P.O. 1984-446-014

PS Form 3800, Feb. 1982

Form 3811, July 1983

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. ☒ Show to whom, date and address of delivery.
2. ☐ Restricted Delivery.

3. Article Addressed to:
Mr. Luke G. Pappas
23 S. Carbon Ave.
Price, Utah 84501

4. Type of Service:	Article Number
<input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail	<input type="checkbox"/> Insured <input type="checkbox"/> COD P001-770-547

Always obtain signature of addressee or agent and
DATE DELIVERED.

5. Signature - Addressee
X *James L. Critchlow*

6. Signature - Agent
X

7. Date of Delivery
6-3-87

8. Addressee's Address (ONLY if requested and fee paid)

DOMESTIC RETURN RECEIPT

UIC-098 Marlayne



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203

RECEIVED
Uncollected
Addressed
Postmark
No such office
No such office
No such office

ALAN THOMAS
6500 PROPHYRY BENCH
ROUTE 2, BOX 44-MI
PRICE UT 84501

49-111-1

P 001 770 543

Claim Check
No.

780397

☐ Hold

Date

JUN 8 1987

1ST Notice

2ND Notice

JUN 8 1987

Return

Detached from
PS Form 3849-A,
Oct. 1985

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH

---oo0oo---

IN THE MATTER OF THE APPLICATION :
OF TEXACO, INCORPORATED FOR :
ADMINISTRATIVE APPROVAL TO :
CONVERT THE TELONIS #1 WELL : CAUSE NO. UIC-098
LOCATED IN SECTION 19, TOWNSHIP 14 :
SOUTH, RANGE 9 EAST, S.L.M., :
CARBON COUNTY, UTAH TO A :
WATER DISPOSAL WELL :

---oo0oo---

THE STATE OF UTAH TO ALL INTERESTED PARTIES IN THE ABOVE ENTITLED
MATTER.

Notice is hereby given that Texaco, Incorporated has requested
administrative approval from the Division to convert the following
well to a saltwater disposal well:

Telonis #1
Section 19, Township 14 South, Range 9 East, S.L.M.
Carbon County, Utah

The proposed injection intervals in the Dakota, Morrison, or
Curtis Formations will be determined following testing procedures. The
maximum injection pressure and rate will also be determined after
appropriate tests are conducted.

Conditional approval of this application will be granted unless
objections are filed with the Division of Oil, Gas and Mining within
fifteen days after publication of this Notice. Objections, if any,
should be mailed to the Division of Oil, Gas and Mining, Attention:
UIC Program Manager, 3 Triad Center, Suite 350, 355 West North Temple,
Salt Lake City, Utah 84180-1203.

DATED this 26th day of May, 1987.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING


MARJORIE L. ANDERSON
Administrative Assistant

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH

---oo0oo---

IN THE MATTER OF THE APPLICATION :
OF TEXACO, INCORPORATED FOR :
ADMINISTRATIVE APPROVAL TO :
CONVERT THE TELONIS #1 WELL CAUSE NO. UIC-098
LOCATED IN SECTION 19, TOWNSHIP 14 :
SOUTH, RANGE 9 EAST, S.L.M., :
CARBON COUNTY, UTAH TO A :
WATER DISPOSAL WELL :

---oo0oo---

THE STATE OF UTAH TO ALL INTERESTED PARTIES IN THE ABOVE ENTITLED
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appropriate tests are conducted.

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should be mailed to the Division of Oil, Gas and Mining, Attention:
UIC Program Manager, 3 Triad Center, Suite 350, 355 West North Temple,
Salt Lake City, Utah 84180-1203.

DATED this 26th day of May, 1987.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING


MARJORIE L. ANDERSON
Administrative Assistant

AFFIDAVIT OF PUBLICATION

RECEIVED
JUN 05 1987

DIVISION OF
OIL, GAS & MINING

STATE OF UTAH }
County of Carbon, } ss.

I, Dan Stockburger, on oath, say that I am
the General Manager of The Sun-Advocate,
a weekly newspaper of general circulation, published at Price,
State and County aforesaid, and that a certain notice, a true copy
of which is hereto attached, was published in the full issue of
such newspaper for One (1)
consecutive issues, and that the first publication was on the
2nd day of June, 19 87 and that the
last publication of such notice was in the issue of such newspaper
dated the _____ day of _____, 19 _____.

Dan Stockburger
Subscribed and sworn to before me this

2nd day of June, 19 87

Holly Jo Baker
Notary Public.

BEFORE THE DIVISION OF
OIL, GAS AND MINING DEPARTMENT
OF NATURAL RESOURCES,
STATE OF UTAH
CAUSE NO. UIC-098

IN THE MATTER OF THE APPLICATION
OF TEXACO, INCORPORATED FOR AD-
MINISTRATIVE APPROVAL TO CONVERT
THE TELONIS #1 WELL LOCATED IN SEC-
TION 19, TOWNSHIP 14 SOUTH, RANGE 9
EAST, S.L.M., CARBON COUNTY, UTAH TO A
WATER DISPOSAL WELL.

THE STATE OF UTAH TO ALL IN-
TERESTED PARTIES IN THE ABOVE EN-
TITLED MATTER.

Notice is hereby given that Texaco, In-
corporated has requested administrative ap-
proval from the Division to convert the following
well to a saltwater disposal well:

Telonis #1 — Section 19, Township 14 South,
Range 9 East, S.L.M. Carbon County, Utah.

The proposed injection intervals in the Dakota,
Morrison, or Curtis Formations will be deter-
mined following testing procedures. The
maximum injection pressure and rate will also
be determined after appropriate tests are
conducted.

Conditional approval of this application will be
granted unless objections are filed with the
Division of Oil, Gas and Mining, within fifteen
days after publication of this Notice. Objections,
if any, should be mailed to the Division of Oil,
Gas and Mining, Attention: UIC Program
Manager, 3 Triad Center, Suite 350, 355 West
North Temple, Salt Lake City, Utah 84180-1203.

DATED this 26th day of May, 1987.

State of Utah
Division of Oil, Gas and Mining
Marjorie L. Anderson,
Administrative Assistant

Published in the Sun Advocate June 2, 1987.

My Commission expires **MY COMMISSION EXPIRES OCTOBER 22, 1990**

Publication fee, \$ 25.20

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> TP & A		5. LEASE DESIGNATION AND SERIAL NO. <i>Fee</i>	
2. NAME OF OPERATOR Texaco Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME 061113	
3. ADDRESS OF OPERATOR P. O. Box EE, Cortez, Co. 81321 303-565-8401		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 560' FEL 465' FSL Sec 19		8. FARM OR LEASE NAME Arcadia Telonis	
14. PERMIT NO. 43-007-30093		9. WELL NO. #1	
15. ELEVATIONS (Show whether OF, RT, GR, etc.) 6397' KB		10. FIELD AND POOL, OR WILDCAT Wildcat	
		11. SEC., T., R., OR BLE. AND SURVEY OR AREA Sec 19 T14S R9E	
		12. COUNTY OR PARISH Carbon	
		13. STATE Utah	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐

(Other) Reenter and complete as water disposal. (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

The subject well was drilled by the Arcadia Refining Co. in 1983 and is temporarily plugged and abandoned. Texaco plans to re-enter the well bore and convert the well to a salt water disposal within the scheme of Texaco's proposed coal dewatering project in Carbon Co., Utah. With insufficient data available to determine a proper zone of injection, Texaco requests permission to reenter the existing well bore and test for a suitable disposal zone. The following procedure would be followed:

- 1) MIRUSU; TIH w/bit and scraper and drill cement plug from 294' to 360'. Clean out to 5600'. Circulate hole clean. TOOH
- 2) Run GR-CBL from 5600' to 3000'. Evaluate bond log.
- 3) Perforate Morrison 4545'-4575' w/ 4 jpf.
- 4) TIH w/tubing, pkr and RBP. Set RBP @ 4625' and pkr at 4500'. Swab and obtain formation fluid sample for analysis.
- 5) Establish injection rate and perform step rate test.
- 6) Acidize Morrison if necessary. Reestablish injection rate.
- *7) Evaluate results of testing.
- 8) TIH w/packer and tubing. Inhibit annulus. Set pkr and place on disposal. Monitor well pressures and rates.

*Note: Depending on test results. Similar testing may be necessary for the Dakota (3503-3530') and/or Curtis (5530-5580) to identify a suitable zone of disposal. The UOGCC will be notified of all test results.

18. I hereby certify that the foregoing is true and correct

SIGNED

Alan A. Kleur

TITLE Area Supt.

DATE 6/3/87

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

UOGCC (2) LAA AAK

DATE: 6-9-87
BY: *John R. Bay*

See Instructions on Reverse Side

RECEIVED
JUN 08 1987DIVISION OF
OIL, GAS & MINING



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

June 10, 1987

Texaco Inc.
P. O. Box EE
Cortez, Colorado 81321

Gentlemen:

Re: Approval of Water Injection Tests

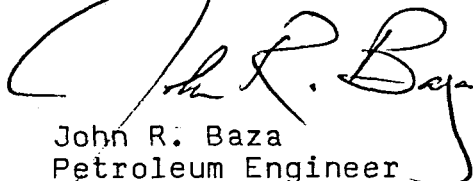
This letter shall constitute Division of Oil, Gas and Mining approval of recently submitted sundry notices to perform injection tests for the Arcadia Telonis well no. 1 and Government W. A. Drew well no. 1 located in Sections 19 and 34 respectively of T. 14S, R. 9E, Carbon County, Utah.

Please note that this approval extends only to the performance of water injection tests on the individual wells. Commencement of water injection for disposal purposes may not occur until proper application to and approval by the Underground Injection Control (UIC) program of this Division.

The Government W. A. Drew well no. 1 must also receive approval from the U. S. Bureau of Land Management prior to commencing operations. You must comply with the applicable federal regulations along with state UIC requirements.

Please feel free to contact me if you have further questions concerning this action.

Sincerely,



John R. Baza
Petroleum Engineer

cc: D. R. Nielson
R. J. Firth
Well files/
0314T-54

143 SOUTH MAIN ST.
P.O. BOX 45838
SALT LAKE CITY, UTAH 84145
FED. TAX I.D. # 87-0217663

Newspaper Agency Corporation

The Salt Lake Tribune

DESERET NEWS

MORNING & SUNDAY

EVENING & SUNDAY

Affidavit of Publication

STATE OF UTAH. }
County of Salt Lake }

I, Rayline Vigil
advertisement of **CAUSE NO. UIC-098** BEFORE THE DIVISION OF OIL
for **NATURAL RESOURCES**

Hereby certify that the attached

was published by the

NEWSPAPER AGENCY CORPORATION, AGENT FOR THE SALT LAKE
TRIBUNE and DESERET NEWS, daily newspapers printed in the English
language with general circulation in Utah, and published in Salt Lake City, Salt
Lake County in the State of Utah.

PUBLISHED ON JUN 05 1987

SUBSCRIBED AND SWORN TO BEFORE ME THIS 6TH DAY OF JUNE 19 87

CAUSE NO. UIC-098
BEFORE THE DIVISION OF OIL,
GAS AND MINING
DEPARTMENT OF NATURAL RE-
SOURCE
STATE OF UTAH

IN THE MATTER OF THE AP-
PLICATION OF TEXACO, IN-
CORPORATED FOR ADMINIS-
TRATIVE APPROVAL TO
CONVERT THE TELONIS #1
WELL LOCATED IN SECTION
19, TOWNSHIP 14 SOUTH,
RANGE 9 EAST, S.L.M., CAR-
BON COUNTY, UTAH TO A
WATER DISPOSAL WELL.

THE STATE OF UTAH TO
ALL INTERESTED PARTIES IN
THE ABOVE ENTITLED MAT-
TER.

Notice is hereby given that
Texaco, Incorporated has re-
quested administrative ap-
proval from the Division to convert
the following well to a saltwater
disposal well:

Telonis #1

Section 19, Township 14 South,
Range 9 East, S.L.M.,
Carbon County, Utah

The proposed injection inter-
vents in the Dakota, Morrison, or
Curtis Formations will be deter-
mined following testing proce-
dures. The maximum injection
pressure and rate will also be
determined after appropriate
tests are conducted.

Conditional approval of this
application will be granted un-
less objections are filed with the
Division of Oil, Gas and Mining
within fifteen days after publi-
cation of this Notice. Objections,
if any, should be mailed to the
Division of Oil, Gas and Mining,
Attention: UIC Program Manag-
er, 3 Triad Center, Suite 350, 355
West North Temple, Salt Lake
City, Utah 84103-1293.

DATED this 26th day of May,
1987.

CAUS

STATE OF UTAH
DIVISION OF OIL,
GAS AND MINING

JUN 05 1987

By: JARVIS L. ANDERSON
Administrative Assistant

B-90

CAUSE NO. UIC-098 BEFORE THE

58 LINES

1

1.22

70.76

DUE AND PAYABLE ON RECEIPT OF THIS INVOICE
FOR BILLING INFORMATION CALL 801-237-2796

TOTAL AMOUNT DUE

70.76

TO INSURE PROPER CREDIT

PLEASE RETURN THIS PORTION

WITH YOUR PAYMENT IN THE ENCLOSED ENVELOPE
MAKE CHECKS PAYABLE TO:

NEWSPAPER AGENCY CORPORATION

(PLEASE WRITE YOUR ACCOUNT
NUMBER ON YOUR CHECK)

BILL TO:

NATURAL RESOURCES
355 W. NORTH TEMPLE
3 TRIAD CENTER SU
SLC

UT 84180

ACCOUNT NUMBER	BILLING DATE
LE-5385340	06/06/87
AD NUMBER	PAY THIS AMOUNT
B-90	70.76

070255716000007000000000000007076 181366827111118111111111111118187



116 State Capitol Building
Salt Lake City, UT 84114
Telephone 801-533-5245

office of planning and budget

Norman H. Bangerter, Governor Dale C. Hatch, C.P.A., J.D., Director Michael E. Christensen, Ph.D., Deputy Director

RECEIVED
JUN 17 1987

June 16, 1986

DIVISION OF
OIL, GAS & MINING

Gil Hunt
Division of Oil, Gas and Mining
3 Triad Center, Suite 350
355 West North Temple
Salt Lake City, Utah 84180-1203

SUBJECT: Telonis Project - Permit
State Application Identifier #UT870604-030

Dear Mr. Hunt:

The Resource Development Coordinating Committee of the State of Utah has reviewed this proposed action and no comments are indicated.

Thank you for the opportunity of reviewing this document. Please address any other questions regarding this correspondence to Carolyn Wright (801) 533-4971.

Sincerely,

Dale C. Hatch
Director

DCH/jw



(801) 722-2532

ANALYSIS NO. W-938

EXHIBIT 4

I JG Anderson, being first duly sworn disposes and states that on the 15th day of May, 1987, he caused to be deposited in the United States Post Office at Casper, Wyoming, First class postage thereon fully prepaid by Certified Mail, Return Receipt Requested, a sealed envelope containing a copy of the within application to the parties whose names are shown at the address shown:

Utah Board of Oil, Gas and Mining
3 Triad Center, Suite 350
Salt Lake City, UT 84180

Bureau of Land Management
P.O. Box 970
Moab, UT 84532

Lease owners and operators:

Alan Thomas
6500 Propyry Bench
Route 2, Box 44-MI
Price, UT 84501

Carbon County, UT
120 E. Main
Price, UT 84501

Surface owners:

Fotini Telonis, Evangelos G. Telonis, Thomas G. Telonis, John G. Telonis, c/o:

Luke G. Pappas, Attorney-in-fact
for Fotini Telonis
23 S. Carbon Avenue
Price, UT 84501

Steve J. Diamanti
P.O. Box 1076
Flagstaff, AZ 86001

and

Angelo Georgedes
761 North 300 East
Price, UT 84501

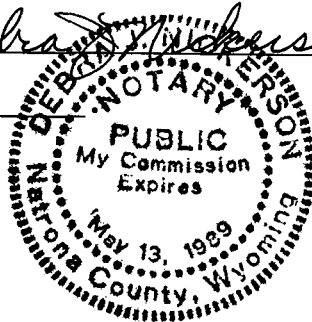
Guardians for Evangelos G., Thomas G. and John G. Telonis

Jack T. and Ethel Birkinshaw
525 North Ethel Avenue
Alhambra, CA 91801

Subscribed and Sworn to before me this 15th day of May, 1987.

NOTARY PUBLIC Debra J. Anderson My commission expires

May 13, 1989



STATE ACTIONS

Mail to:
Grants Coordinator
State Clearinghouse
116 State Capitol, SLC, Ut. 84114
533-4971

1. Administering State Agency STATE OF UTAH NATURAL RESOURCES OIL, GAS, & MINING 3 TRIAD CENTER, SUITE 350 SALT LAKE CITY, UTAH 84180-1203	2. State Application Identifier Number: (assigned by State Clearinghouse)
3. Approximate date project will start: June 20, 1987	
4. Areawide clearinghouse(s) receiving State Action: (to be sent out by agency in block 1) Bill Howell SOUTHEASTERN UTAH ASSOCIATION OF LOCAL GOVERNMENTS Post Office Box 1106 Price, Utah 84501-0881	
5. Type of action: <input type="checkbox"/> Lease <input checked="" type="checkbox"/> Permit <input type="checkbox"/> License <input type="checkbox"/> Land Aquisition <input type="checkbox"/> Land Sale <input type="checkbox"/> Land Exchange <input type="checkbox"/> Other _____	
6. Title of proposed action: Telonis Project	
7. Description: The application is for approval of converting a currently abandoned well to a water disposal well as part of a pilot coal dewatering project. The end goal is to produce hydrocarbon gas from coal seams within the Ferron Sandstone.	
8. Land affected (site location map required) (indicate county) Section 19, Township 14 South, Range 9 East, Carbon County, Utah	
9. Has the local government(s) been contacted? No	
10. Possible significant impacts likely to occur: It may be necessary to construct a pipeline across nearby Federal land however that issue is not addressed in this application.	
11. Name and phone number of district representative from your agency near project site, if applicable: N/A	
12. For further information, contact: Phone: Gil Hunt 538-5340	13. Signature and title of authorized officer Date: <i>Gil Hunt</i> UIC Manager 6/2/87



NORMAN H. BANGERTER
GOVERNOR

DCED

STATE OF UTAH
DEPARTMENT OF COMMUNITY AND
ECONOMIC DEVELOPMENT

June 18, 1987

Gil Hunt
Division of Oil, Gas & Mining
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

RE: Telonis Project

In Reply Please Refer to Case No. K016

Dear Mr. Hunt:

The staff of the Utah State Historic Preservation Office has reviewed the above referenced state action. Our records indicate that one survey for historic and cultural resources was performed in 1984, near the northern boundary of the land affected by this project. However, we know of no surveys or sites within Section 19, the land affected by the Telonis Project. As we have previously discussed, the conversion of an existing well to a water disposal well should involve no impact to historic or cultural resources if additional construction does not take place. If the construction of a pipeline across nearby federal lands is required by the project, we would be pleased to provide additional information and assistance on this aspect of the project.

The above is provided on request as outlined by 36 CFR 800 or Utah Code, Title 63-18-37. If you have questions or need additional assistance, please contact Charles Shepherd at (801) 533-7039.

Sincerely,

A. Kent Powell
Deputy State Historic
Preservation Officer

CMS:jrc:K016/4301V

Division of
State History
(UTAH STATE HISTORICAL SOCIETY)

MAX J. EVANS, DIRECTOR
300 RIO GRANDE
SALT LAKE CITY, UTAH 84101-1182
TELEPHONE 801/533-5755

RECEIVED
JUN 24 1987

DIVISION OF
OIL, GAS & MINING



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

June 22, 1987

Texaco, Incorporated
Post Office Box 3360
Casper, Wyoming 82602

Gentlemen:

RE: Telonis #1, Section 19, Township 14 South, Range 9 East, S.L.M.,
Carbon County, Utah

In accordance with Rule 503(c), Oil and Gas Conservation General Rules, administrative approval to convert the referenced well to a Class II injection well is granted.

The following actions are necessary to fully comply with this approval:

- 1) Compliance with the UIC requirements for operation, maintenance and reporting for Class II injection wells.
- 2) Conformance with all conditions of the submitted application. The maximum allowable injection pressure and rate, and the injection interval will be determined after the appropriate tests and analyses are performed.

If you have any questions regarding this approval or the necessary requirements, please contact this office.

Best regards,

Dianne R. Nielson
Director

mfp
7627U



Champion
Chemicals, Inc.

P.O. BOX 909
CORTEZ, COLORADO 81321
(303) 565-1056

July 13, 1987

Brad Weiss
TEXACO, Inc.
P.O. Box EE
Cortez, CO 81321

Ref. Water samples from Arcadia Telonis Well #1

Dear Brad:

Please find enclosed a report of my analysis of the water from the Arcadia Telonis Well #1 near Price, Utah. That sample was taken from the last of the 5th swab run. I measured chlorides on the following samples as well:

3% KCl brine	9760 ppm Cl
3rd swab run	23400 ppm Cl
4th swab run	24400 ppm Cl

That value for the 3% brine is what I would expect for 2% KCl brine. The other values look pretty high but still intermediate. So, I think we got a good sample for the produced fluid. I did measure the pH and total hardness on the 3% KCl brine as well. The pH was 8.2 and its total hardness was 400.

Please let me know if there is anything more you need from these samples.

Sincerely,

Joseph W. Richards
Technical Services Representative

cc: Tom Hankins
Mike Videtich

WATER ANALYSIS REPORT

SERVICE LABORATORY: 925 S. Broadway - Cortez, CO 81321



**Champion
Chemicals, Inc.**

P.O. Box 909 - Cortez, CO 81321
Phone (303) 565-1056

CHEMICAL WITH SERVICE

Report for: Brad Weiss
cc for: Tom Hankins
cc for: Mike Videtich
cc for:

Company: TEXACO Inc

Address: P.O. Box EE - Cortez CO 81321

Service Engineer: Clyde Willis

Date Sampled: 7-11-87

Date Reported: 7-13-87

Location: Arcadia Telonis Well #1 (Sec 19 Twp 14S Rge 9E)

County: Carbon

State: Utah

Submitted by: Joe Richards

Other Info: Calculated TDS = 50300 mg per liter

Chemical Component	mg per liter
--------------------	--------------

Chloride (Cl) =	30300.
-----------------	--------

Iron (Fe) =	41.
-------------	-----

Total Hardness (CaCO ₃) =	9000.
---------------------------------------	-------

Calcium (Ca) =	3120.
----------------	-------

Magnesium (Mg) =	292.
------------------	------

Bicarbonate (HCO ₃) =	96.
-----------------------------------	-----

Carbonate (CO ₃) =	0.
--------------------------------	----

Sulfate (SO ₄) =	610.
------------------------------	------

Hydrogen Sulfide (H ₂ S) =	1.
---------------------------------------	----

Barium (Ba) =	0.
---------------	----

Sodium (Na) (calc.) =	15845.
-----------------------	--------

Specific Gravity =	1.031
--------------------	-------

Density (lb/gal) =	8.59
--------------------	------

pH (by meter) =	7.9
-----------------	-----

Dissolved CO ₂ (mg/l) =	10.
------------------------------------	-----

OTHER DESCRIPTION, REMARKS AND RECOMMENDATIONS

Scaling Index at 68 degrees F = +0.49

Scaling Index at 86 degrees F = +0.70

Scaling Index at 122 degrees F = +1.12

Scaling Index at 158 degrees F = +1.79

Reported by

J. Richards

----- Tech. Serv. Rep.

ARCADIA TELONIS #1

STEP RATE TEST - JULY 11, 1987

MORRISON FORMATION 4545'-4575' (UNSTIMULATED)

WHP (PSI)	RATE (BPM)	(PSI) HYDROSTATIC	FRICTION LOSS (PSI)	BHP (PSI)	VOLUME PUMPED (BBL)	DURATION (MIN)
3200	3.0	2006	638	4568	111	30
2800	2.0	2006	301	4505	40	20
2400	1.0	2006	84	4322	17	15
1800	0.31	2006	NA	3806	6	15+
1725	0.26*	2006	NA	3731	3	10
2000	0.46	2006	NA	4006	7	15
2400	0.84	2006	40 (est.)	4366	13	15
2800	1.9	2006	273	4533	14	10

ISIP - 1950 PSI = 3956 PSI BHP
 5 Min. - 1635 PSI
 10 Min. - 1525 PSI
 15 Min. - 1475 PSI

*Minimum rate and pressure possible with pump.

ARCADIA TELONIS #1

STRESS RATE TEST ON JULY 11, 1966

MORRISON FORMATION

5000

4000

3000

2000

1000

1.0

2.0

3.0

Injection Rate (BPM)

46 1320

Estimated fracture pressure at bottom hole
4325 psi Rate = 0.675 BPM
Gradient = 0.95 psi/ft

Injection
fracturing conditions

Injection below
fracturing conditions

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Salt Water Disposal		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR Texaco Inc. (303) 565-8401		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box EE, Cortez, CO 81321		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 560' FEL and 465' FSL		8. FARM OR LEASE NAME Arcadia Telonis
14. PERMIT NO.		9. WELL NO. 1
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6397' KB		10. FIELD AND POOL, OR WILDCAT Thunderwest
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 19-T14S-R9E
		12. COUNTY OR PARISH Carbon
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐

(Other)

PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) Water Disposal Test ☒REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The subject well was reentered on July 7, 1987 and a suitable zone of disposal was identified. The following procedure was followed:

- 1) MIRUSU - Nipple up wellhead. Drill and cleanout 9-5/8" casing to 5720'. Circulate hole w/475 Bbl. 3% KCL water.
- 2) Set CIBP at 5700' and test plug to 1800#.
- 3) Run GR-CBL from 5680' to 2700' w/1850 PSI on casing.
- 4) Perforate Morrison 4545'-75' (30') w/4JPF using casing guns.
- 5) TIH w/tubing and pkr. Swab formation fluid to obtain sample.
- 6) Run step-rate test.
- 7) Acidize Morrison w/1500 gal. 15% HCL. Backflowed load water.
- 8) Reestablish injection rate. TOOH w/tbg. and pkr.
- 9) TIH w/pkr. and tubing. Inhibit annulus. Set pkr. at 4514'.
- 10) Secure well and wait on disposal approval.

Texaco is submitting this "Sundry Notice" and a copy of: (1) Cement bond log. (2) Step-rate test result and (3) a water analysis to satisfy requirements to receive disposal approval. Texaco requests UOGCC approval to convert the subject well to water disposal.

18. I hereby certify that the foregoing is true and correct

SIGNED

Alan A. Kleier
Alan A. Kleier

TITLE Area SuperintendentDATE July 16, 1987

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Salt Water Disposal		5. LEASE DESIGNATION AND SERIAL NO.	
2. NAME OF OPERATOR Texaco Inc. (303) 565-8401		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR P.O. Box EE, Cortez, CO. 81321		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 560' FEL and 465' FSL		8. FARM OR LEASE NAME Arcadia Telonis	
14. PERMIT NO.		9. WELL NO. 1	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6397' KB		10. FIELD AND POOL, OR WILDCAT Thunderwest	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 19, T14S, R9E	
		12. COUNTY OR PARISH Carbon	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <u>Change of Ownership</u> <input checked="" type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The subject well was recently re-entered by Texaco to convert to SWD. Previously drilled and plugged by the Arcadia Refining Co., the attached lease was forfeited in 1985 and acquired by Texaco Inc. in the same year. The purpose of this sundry notice is to formally notify the State of Utah of the change of ownership. Texaco's \$50,000 blanket bond (#M-157448) with the Insurance Co. of North America will apply to the subject well in the future. This matter was discussed with Mr. Gil Hunt on September 3, 1987.

18. I hereby certify that the foregoing is true and correct

SIGNED

Alan A. Kleiser

TITLE AREA SUPT.

DATE 9/4/87

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UOGCC (3) - LAA - AAK

*See Instructions on Reverse Side



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

August 12, 1987

Texaco, Incorporated
Post Office Box 3360
Casper, Wyoming 82602

Gentlemen:

Re: Telonis #1, Section 14, Township 14 South, Range 9 East, S.L.M.,
Carbon County, Utah

Administrative approval to convert the referenced well to a Class II injection well was granted by the Division on June 22, 1987. This approval required that appropriate tests and analyses be performed to determine the maximum allowable injection pressure and rate and the specific injection interval. Texaco has performed the required tests and analyses and submitted information necessary to make these determinations to the Division on July 16, 1987.

The Division affirms its administrative approval to convert the referenced well to a Class II injection well subject to the following conditions:

Maximum Allowable Bottomhole

Injection Pressure = 4325 psi less 10% safety margin = 3893 psi

Injection Interval 4545' - 4575', Morrison Formation

If you have any questions concerning this approval, please contact this office.

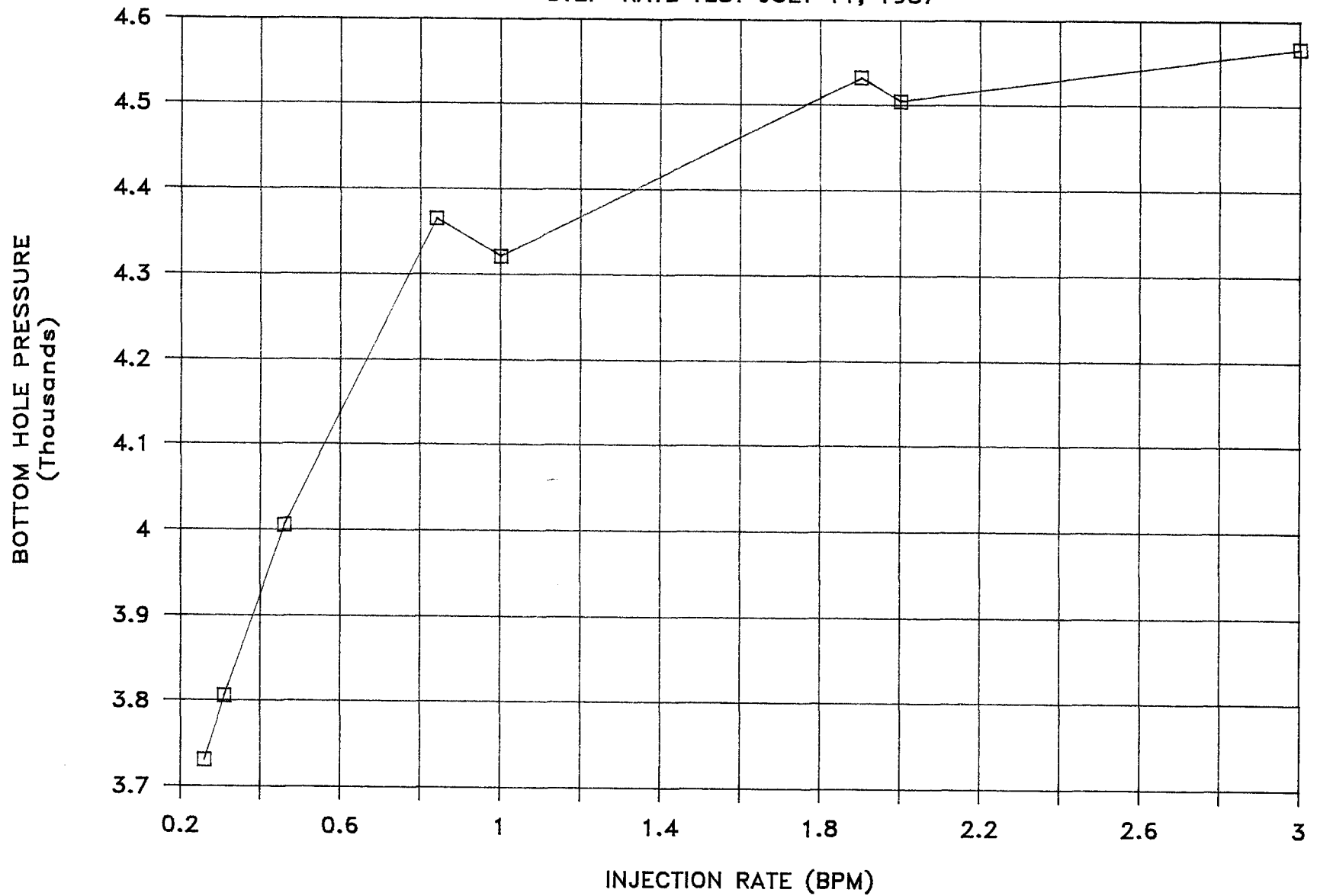
Best regards,


Dianne R. Nielson
Director

GLH/mfp
cc: Texaco, Cortez Office
0134U/93

TEXACO TELONIS #1

STEP-RATE TEST JULY 11, 1987



STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Disposal Well		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR Texaco Inc. (303) 565-8401		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. Box EE, Cortez, CO. 81321		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 560' FEL and 465' FSL Sec. 19		8. FARM OR LEASE NAME Arcadia Telonis
14. PERMIT NO. 43-007-3093		9. WELL NO. #1
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6397' KB		10. FIELD AND POOL, OR WILDCAT Thunderwest
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
		12. COUNTY OR PARISH Carbon
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Well Completion</u>	<input checked="" type="checkbox"/>
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Following State UCI approval, the subject well was activated as a water disposal well on Sept. 17, 1987. The Arcadia Telonis has been injecting on test for sixty (60) days (actual injection 38 days).

Avg. injection: 173 BWPD
Avg. pressure: 1550 PSI

The Arcadia Telonis #1 is used for disposal on an as needed basis. The subject well was P & A'd prior to its conversion to disposal.

18. I hereby certify that the foregoing is true and correct

SIGNED Alan A. Klever TITLE AREA SUPERINTENDENT DATE 11/13/87

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:
UOGCC (4), LAA, AAK

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Disposal Well		5. LEASE DESIGNATION AND SERIAL NO. 120321
2. NAME OF OPERATOR Texaco Inc. (303) 565-8401		7. UNIT AGREEMENT NAME PPA
3. ADDRESS OF OPERATOR P.O. Box EE, Cortez, CO. 81321		8. FARM OR LEASE NAME Arcadia Telonis
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 560' FEL and 465' FSL Sec. 19		9. WELL NO. #1
14. PERMIT NO. 43-007-30093		10. FIELD AND POOL, OR WILDCAT Thunderwest
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6397' KB		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 14S 9E Sec. 19
		12. COUNTY OR PARISH Carbon
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input checked="" type="checkbox"/> Well Completion	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Following State UCI approval, the subject well was activated as a water disposal well on Sept. 17, 1987. The Arcadia Telonis has been injecting on test for sixty (60) days (actual injection 38 days).

Avg. injection: 173 BWPD

Avg. pressure: 1550 PSI

The Arcadia Telonis #1 is used for disposal on an as needed basis. The subject well was P & A'd prior to its conversion to disposal.

18. I hereby certify that the foregoing is true and correct

SIGNED Alan A. Klever TITLE AREA SUPERINTENDENT DATE 11/13/87

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

UOGCC (4), LAA, AAK

*See Instructions on Reverse Side

ARCADIA TELONIS #1

STEP RATE TEST - ANALYSIS

- GENERAL INFORMATION -

Well Name and Number - Arcadia Telonis #1
Location - SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 19-T14S-R9E
County - Carbon
State - Utah
Formation - Morrison (SS)
Perforations - 4545'-4575' (Not Acidized)
Pump Company - Halliburton, Vernal, UT
Date of Test - July 11, 1987
Texaco Representatives - T. A. Shafer, Farmington, NM
B. L. Weiss, Cortez, CO

- TECHNICAL DATA -

Tubulars - 2-3/8" OD, 4.70#/FT, tubing set at 4557'
No. of Perforations - 121 shots (Minimal Friction)
Formation Depth used - 4560' (Mid-perfs.)
Fluid used - Water containing 3% KCL
Gradient - 0.44 PSI/FT
Method for determining friction loss - Halliburton Co.
Technical Report on Limited Entry (Graph attached)
Rates and pressures - (see attached table)

- RESULTS -

The step rate test indicated a bottom hole fracture pressure of 4325 PSI (gradient = 0.95 PSI/FT). The estimated rate at the fracture pressure is 0.675 BPM (972 BPD). Graphical and tabular presentations of the results are attached.

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Disposal Well (Test for gas production potential uphole)		5. LEASE DESIGNATION AND SERIAL NO.	
2. NAME OF OPERATOR Texaco Inc. 303-565-8401		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR P.O. Box EE, Cortez, CO 81321		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 560' FEL and 465' FSL Sec. 19		8. FARM OR LEASE NAME Arcadia Telonis	
14. PERMIT NO. 43-007-30093		9. WELL NO. 1	
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6397' KB		10. FIELD AND POOL, OR WILDCAT Wildcat	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 19, T14S, R9E	
		12. COUNTY OR PARISH Carbon	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input checked="" type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>
SHOOT OR ACIDIZE <input checked="" type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Texaco Inc. proposes to plug back the subject disposal well to test the Ferron for gas production potential. The following procedure assumes that the existing perforations will be permanently abandoned but the possibility exists for re-entry of these perms.

1. MIRUSU.
2. Load hole w/9.2 ppg mud to 3100'.
3. TOOH
4. Set CIBP @3150'.
5. Spot 25 sx. cement on CIBP.
6. Pressure test csg. to 2000 psi.
7. Perforate 2806'-14, w/4 JSPF.
8. TIH w/tbg. & Pkr. Set pkr. @2700'.
9. Swab/flow test.
10. Acidize using 1000 gals. 7.5% MSR acid w/800 scf/bbl. N2.
11. Swab/flow test.
12. Fracture stimulate formation.
13. Swab/flow test. Evaluate production potential.

The above plug back procedure was tentatively approved in a phone conversation between John Baza and Brad Weiss, on 9-15-88.

18. I hereby certify that the foregoing is true and correct

SIGNED

Alan A. Kleier

TITLE Area Manager

DATE 9-21-88

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 9-28-88

BY: *John R. Baza*

1- LCR / GIL	
2- DTS	
3- VLC	
4- RJF	
5- RWM	<input checked="" type="checkbox"/>
6- LCR	<input checked="" type="checkbox"/>

Attach all documentation received by the division regarding this change.

Initial each listed item when completed. Write N/A if item is not applicable.

Change of Operator (well sold)

☐ Designation of Agent

Designation of Operator

☒ Operator Name Change OnlyThe operator of the well(s) listed below has changed (EFFECTIVE DATE: 1-1-91)

(TEXACO EXPLORATION AND PRODUCTION INC.)

TO (new operator) TEXACO E & P INC.FROM (former operator) TEXACO INC.(address) P. O. BOX 1629(address) P. O. BOX 1629ROCK SPRINGS, WY 82901ROCK SPRINGS, WY 82901H. M. MEDUNAH. M. MEDUNAphone (307) 382-6540phone (307) 382-6540account no. N 5700 (6-5-91)account no. N0980(A)

(A)ALTERNATE ADDRESS

Well(s) (attach additional page if needed):

Name: <u>WELONIS #1/MRSN(WDW)</u>	API: <u>4300730093</u>	Entity: <u>99990</u>	Sec <u>19</u> Twp <u>14S</u> Rng <u>9E</u>	Lease Type: <u>FEE</u>
Name: <u>GOVT WA DREW #1/DKTA</u>	API: <u>4300730100</u>	Entity: <u>99990</u>	Sec <u>34</u> Twp <u>14S</u> Rng <u>9E</u>	Lease Type: <u>U-53872</u>
Name: <u>(WDW)</u>	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: _____.
4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above.
6. Cardex file has been updated for each well listed above.
7. Well file labels have been updated for each well listed above.
8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission.
9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) ____ (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no) ____.
Today's date _____ 19____. If yes, division response was made by letter dated _____ 19____.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated _____ 19____, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
2. Copies of documents have been sent to State Lands for changes involving State leases.

INDEXING

1. All attachments to this form have been microfilmed. Date: _____ 19____.

INDEXING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

REMARKS



UTAH
NATURAL RESOURCES
Oil, Gas & Mining

355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Ut
84180-1203. • (801-538-5340)

Page 1 of 1

MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

• TEXACO INC.
P O BOX 1629
ROCK SPRINGS WY 82901
ATTN: H. M. MEDUNA

Utah Account No. N0980

Report Period (Month/Year) 5 / 91

Amended Report ☐

Well Name			Producing Zone	Days Oper	Production Volume		
API Number	Entity	Location			Oil (BBL)	Gas (MSCF)	Water (BBL)
FENCE CYN U #3							
4301916046	07015	15S 23E 33	DKTA				
FENCE CYN U #1							
4304716197	07015	15S 22E 36	DKTA				
FENCE CYN U 2							
4304716198	07015	15S 22E 26	DKTA				
E. G. TELONIS ETAL #1							
4300730107	07101	14S 09E 20	FRSD				
GOVT. W.A. DREW 2							
4300730114	10778	14S 09E 34	FRSD				
STELLA-HAMAKER #1							
4300730116	10849	15S 08E 10	FRSD				
FENCE CYN U 2							
4304716198	10974	15S 22E 26	MRSN				
TOTAL							

Comments (attach separate sheet if necessary) _____

I have reviewed this report and certify the information to be accurate and complete. Date _____

Authorized signature _____ Telephone _____

WELL LISTING FOR UTAH

	PROP NAME	TEX WELL NO	API PARS WELL NO	RSVR NAME	COUNTY NAME	LOC QQQ SECT	SEC	TOWNS	RANGE	MMS LSE NO EXP	LSE, NO
WDW	ARCADIA-TELONIS	1	43007300930001	MORRISON	CARBON	SESE	19	14S	9E	FEE	
SOW	DREW, W.A. #2	2	43007301140001	FERRON SAND	CARBON	SWSW	34	14S	9E	UTU53872	
PBW	EAST CANYON 'A'	44-12	43019162050001	CEDAR MOUNTAIN	GRAND N8140 Texaco Prod.	SESE	12	16S	24E	8910082500	EAST CYN UNIT
PBW	EAST CANYON 'B'	22-17	43019162020001	DAKOTA	GRAND N8140 Texaco Prod.	SESW	17	16S	25E	8910082500A	EAST CYN UNIT
PBW	FENCE CANYON UNIT - D	FC 1	43047161970001	DAKOTA	UINTAH	NESE	36	15S	22E	891006706A	FENCE CYN UNIT
SBW		FC 2	43047161980002	DAKOTA	UINTAH	NESE	26	15S	22E	891006706A	FENCE CYN UNIT
PBW		FC 3	43019160460001	DAKOTA	GRAND	SWSE	33	15S	23E	891006706A	FENCE CYN UNIT
	FENCE CANYON UNIT - M	FC 2	43047161980001	MORRISON / DAKOTA	UINTAH	NESE	26	15S	22E	891006706B	" "
PA.	GOV'T E.V. HOLMES #1	1	43007301060001	FERRON SAND	CARBON	SESE	8	15S	9E	UTU45004	
	GOV'T F.S. PRINCE	1	43047161990001	GREEN RIVER	UINTAH	SWSW	10	7S	24E	UTSL070932A	to N7228 eff. 5-1-89
	GOV'T PICKRELL	1	43007160450001	WASATCH	CARBON	SESW	11	12S	15E	8910085150	to N7228 eff. 1-1-91
WDW	GOV'T W.A. DREW #1	1	43007301000001	BUCKHORN / DAKOTA	CARBON	SWSW	34	14S	9E	UTU53872	
	HAMACKER, STELLA #1 (1	43007301160001	FERRON SAND	CARBON	NENW	10	15S	8E		
SBW	HORSE POINT #2	2	43019311480001	DAKOTA	GRAND N8140 Tex. Prod.	NWNE	11	16S	23E	UTU05084	
PBW	HORSE POINT UNIT	1-X	43019162060001	DAKOTA	GRAND N8140 Tex. Prod.	NWNE	14	16S	23E	891007731A	Horse Pt. Unit
	SEEP RIDGE #2	SR 2	43047303030001	DAKOTA	UINTAH	SENE	03	14S	22E	UTU6614A	
		2 1	43047303030002	FRONTIER	UINTAH	SENE	03	14S	22E	UTU6614A	
	TELONIS, E G O/A	1	43007301070001	FERRON SAND	CARBON	NESE	20	14S	9E		

Division of Oil, Gas and Mining
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

☐ Well File _____

(Location) Sec _____ Twp _____ Rng _____
(API No.) _____

☐ Suspense
(Return Date) _____
(To - Initials) _____

☒ Other
Bond File
Operator's File

1. Date of Phone Call: 5-14-91 Time: 9:00

2. DOGM Employee (name) J. Romero (Initiated Call ☒
Talked to:

Name M. H. Myers (Initiated Call ☐ - Phone No. (303) 793-4380

of (Company/Organization) Texaco USA

3. Topic of Conversation: Change of operator from Texaco Inc. to
Texaco Exploration and Production Inc.
(Replacement bond received 2-11-91 awaiting "Sundries")

4. Highlights of Conversation: _____

Mr. Myers out of office until 5-20-91.

Delsey Nelson:

*910528-MSG 2:42 "Mr. Myers"

(3:45) Mr. Myers will follow up on operator change sundries, handled
through another office.



Texaco Exploration and Production Inc
Midland Producing Division

P O Box 3109
Midland TX 79702-3109

May 22, 1991

RECEIVED

MAY 28 1991

DIVISION OF
OIL GAS & MINING

Division of Oil, Gas, and Mining
Attn: Ms. Lisha Romero
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Gentlemen:

This is to advise that as a part of a reorganization of Texaco Inc., a Delaware corporation, the name of Texaco Producing Inc., a Delaware corporation and wholly owned subsidiary of Texaco Inc., has been changed to Texaco Exploration and Production Inc. Further, Texaco Exploration and Production Inc. will succeed to the rights, titles, interests and obligations of Texaco Inc.

This means that Texaco Exploration and Production Inc. will be the operator for all the oil and gas properties that were operated by Texaco Inc. and Texaco Producing Inc. We plan to abbreviate the name as Texaco E & P Inc. for purposes of submitting production reports, etc., via computer, and we suggest that for consistency you use that abbreviation also.

We have enclosed a Sundry Notice with a list of the wells which Texaco operates in Utah. Also attached is UIC Form 5 for transfer of injection authority. Please note that Texaco has two Divisions which operate wells in Utah. One is located in Denver, Colorado, and the other is in Midland, Texas. We have enclosed separate Sundry Notices and lists of wells for each Division. If you have questions concerning the Denver-operated wells, please call Roger Hadley at (303) 793-4833. If you have questions concerning the Midland-operated wells, please call Ken Miller at (915) 688-4834.

Please change any of your other records as necessary to reflect this change.

Yours very truly,

R. S. Lane
Assistant Division Manager

RKH/KMM-CC

Attachments

RECEIVED

MAY 28 1991

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

Well name and number: _____		See Attached Listing	DIVISION OF OIL GAS & MINING
Field or Unit name: _____		API no. _____	
Well location: QQ _____ section _____ township _____ range _____ county _____			
Effective Date of Transfer: <u>6-1-91</u>			
CURRENT OPERATOR			
Transfer approved by:			
Name	<u>R. S. Lane</u>	Company	<u>Texaco Inc.</u>
Signature	<u><i>R. S. Lane</i></u>	Address	<u>P. O. Box 3109</u>
Title	<u>Attorney-in-Fact</u>	<u>Midland, TX 79702</u>	
Date	_____	Phone	<u>(915) 688-4100</u>
Comments: Correspondence Address: <u>Texaco Inc.</u> <u>3300 North Butler</u> <u>Farmington, NM 87401</u> <u>(505) 325-4397</u>			
NEW OPERATOR			
Transfer approved by:			
Name	<u>R. S. Lane</u>	Company	<u>Texaco Exploration and Production Inc.</u>
Signature	<u><i>R. S. Lane</i></u>	Address	<u>P. O. Box 3109</u>
Title	<u>Attorney-in-Fact</u>	<u>Midland, TX 79702</u>	
Date	_____	Phone	<u>(915) 688-4100</u>
Comments: Correspondence Address: <u>Texaco Exploration and Production Inc.</u> <u>3300 North Butler</u> <u>Farmington, NM 87401</u> <u>(505) 325-4397</u>			
(State use only)			
Transfer approved by <u><i>Gil Hunt</i></u>		Title <u><i>UIC Manager</i></u>	
Approval Date <u><i>6-26-91</i></u>			

1- LCR / GIL
2- DTS <i>DTS</i>
3- VLC <i>✓</i>
4- RJF <i>✓</i>
5- RWM <i>✓</i>
6- LCR <i>✓</i>

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

☐ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☒ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 1-1-91)
(TEXACO EXPLORATION AND PRODUCTION INC.)

TO (new operator) <u>TEXACO E & P INC.</u>	FROM (former operator) <u>TEXACO INC.</u>
(address) <u>P. O. BOX 1629</u>	(address) <u>P. O. BOX 1629</u>
<u>ROCK SPRINGS, WY 82901</u>	<u>ROCK SPRINGS, WY 82901</u>
<u>H. M. MEDUNA</u>	<u>H. M. MEDUNA</u>
phone (307) <u>382-6540</u>	phone (307) <u>382-6540</u>
account no. <u>N 5700 (6-5-91)</u>	account no. <u>N0980(A)</u>

(A) ALTERNATE ADDRESS

Well(s) (attach additional page if needed):

Name: <u>FENCE CYN U #3/DKTA</u>	API: <u>4301916046</u>	Entity: <u>7015</u>	Sec: <u>33</u> Twp <u>15S</u> Rng <u>23E</u>	Lease Type: <u>SL068653</u>
Name: <u>FENCE CYN U #1/DKTA</u>	API: <u>4304716197</u>	Entity: <u>7015</u>	Sec: <u>36</u> Twp <u>15S</u> Rng <u>22E</u>	Lease Type: <u>ML-2116</u>
Name: <u>FENCE CYN U #2/DKTA</u>	API: <u>4304716198</u>	Entity: <u>7015</u>	Sec: <u>26</u> Twp <u>15S</u> Rng <u>22E</u>	Lease Type: <u>U068651A</u>
Name: <u>EG TELONIS #1/FRSD</u>	API: <u>4300730107</u>	Entity: <u>7101</u>	Sec: <u>20</u> Twp <u>14S</u> Rng <u>9E</u>	Lease Type: <u>FEE</u>
Name: <u>GOVT WA DREW 2/FRSD</u>	API: <u>4300730114</u>	Entity: <u>10778</u>	Sec: <u>34</u> Twp <u>14S</u> Rng <u>9E</u>	Lease Type: <u>U-2612</u>
Name: <u>STELLA HAMAKER #1/FRSD</u>	API: <u>4300730116</u>	Entity: <u>10849</u>	Sec: <u>10</u> Twp <u>15S</u> Rng <u>8E</u>	Lease Type: <u>FEE</u>
Name: <u>FENCE CYN U #2/MRSN</u>	API: <u>4304716198</u>	Entity: <u>10974</u>	Sec: <u>26</u> Twp <u>15S</u> Rng <u>22E</u>	Lease Type: <u>U068651A</u>

OPERATOR CHANGE DOCUMENTATION

See 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (5-28-91)

N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).

See 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: #114097.

See 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.

See 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (6-11-91)

See 6. Cardex file has been updated for each well listed above.

See 7. Well file labels have been updated for each well listed above.

See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission.

See 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond. #K0290791-4 80,000-Ins. Co. of N. America rec. 2-11-91.
2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no) yes. Today's date _____ 19____. If yes, division response was made by letter dated _____ 19____. #m157448 80,000-Ins. Co. of N. America

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated _____ 19____, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
2. Copies of documents have been sent to State Lands for changes involving State leases. 6-27-91

INDEXING

1. All attachments to this form have been microfilmed. Date: July 15 1991.

INDEXING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

REMARKS

9/10/06 Btm Approved 4-2-91 "Company Merger". Includes Fence Canyon Unit.
 9/10/07 St. Lands approved 4-15-91 "merger".

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

Routing:

1- LEC 7-PL	✓
2- LWP 8-SJ	✓
3- DTS 9-FILE	✓
4- VLC	✓
5- RJF	✓
6- LWP	✓

- ☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 1-1-94)

TO (new operator)	<u>RIVER GAS OF UTAH INC</u>	FROM (former operator)	<u>TEXACO E & P INC</u>
(address)	<u>511 ENERGY CENTER BLVD</u>	(address)	<u>PO BOX 1629</u>
	<u>NORTHPORT AL 35476</u>		<u>ROCK SPRINGS WY 82901</u>
	<u>JOE STEPHENSON</u>		<u>ROXY BLUE/DENVER</u>
	phone <u>(205) 759-3282</u>		phone <u>(303) 793-4817</u>
	account no. <u>N1600</u>		account no. <u>N5700(A)</u>

Well(s) (attach additional page if needed):

***WDW, **DRUNKARDS WASH UNIT**

Name: **EG TELONIS ETAL 1/FRSD	API: <u>43-007-30107</u>	Entity: <u>7101</u>	Sec <u>20</u> Twp <u>14S</u> Rng <u>9E</u>	Lease Type: <u>FEE</u>
Name: **PINNACLE PEAK U 2/FRSD	API: <u>43-007-30117</u>	Entity: <u>10921</u>	Sec <u>19</u> Twp <u>14S</u> Rng <u>9E</u>	Lease Type: <u>FEE</u>
Name: STELLA-HAMAKER #1/FRSD	API: <u>43-007-30116</u>	Entity: <u>10849</u>	Sec <u>10</u> Twp <u>15S</u> Rng <u>8E</u>	Lease Type: <u>FEE</u>
Name: *TELONIS #1/MRSN *	API: <u>43-007-30093</u>	Entity: <u>99990</u>	Sec <u>19</u> Twp <u>14S</u> Rng <u>9E</u>	Lease Type: <u>FEE</u>
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- Lee 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Rec'd 2-16-94)
- Lee 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Reg. 2-22-94) (Reg. 4-14-94) (Rec'd 5-25-94)
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: _____
- N/A 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- Lee 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (7-15-94)
- Sup 6. Cardex file has been updated for each well listed above. 7-20-94
- Sup 7. Well file labels have been updated for each well listed above. 7-20-94
- Lee 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (7-15-94)
- Lee 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) yes (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- Yes 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- Yes 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond. IDLOC #5308586 / Am South Bank N.A. (\$80,000)
2. A copy of this form has been placed in the new and former operators' bond files.
- Yes 3. The former operator has requested a release of liability from their bond (yes/no) no. Today's date July 15, 1994. If yes, division response was made by letter dated 19 .

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- OTS 1. (Rule R615-2-10) The former operator/lessee of any **fee lease** well listed above has been notified by letter dated 7/26 1994, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested. Letter to Rony Blum of Tareco
- N/A 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

- ✓ 1. All attachments to this form have been microfilmed. Date: August 5 1994.

FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

- 940222 Pinnacle Peak Unit terminated 4/89.
- 940714 Rec'd UIC F5 / Teloni's #1 43-007-30093.
- 940714 Drunkards Wash Unit - River Gas of Ut. "Unit Operator".
- (Other wells will be handled on separate change)



Utah Department of Natural Resources
Division of Oil, Gas and Mining

Division of Oil, Gas and Mining
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Division of Oil, Gas and Mining
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Division of Oil, Gas and Mining
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

February 14, 1994

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
ATTENTION: LISHA ROMERO
3 TRIAD CENTER, SUITE 350
SALT LAKE CITY, UTAH 84180-1203

TRANSFER OF OPERATOR

Gov't W. A. Drew #1, Gov't W. A. Drew #2,
E. G. Telonis #1, Pinnacle Peak Unit #2,
Stella-Hamker #1, Arcadia-Telonis #1
Carbon County, Utah

-2161994

Dear Ms. Romero:

Attached for your further handling are Transfer of Operator forms for the captioned wells. If you should have any questions, please contact me at (303) 793-4817. Thank you.

Sincerely,

Roxy Blu
Denver Producing Division
Portfolio Group

Encl.



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

February 22, 1994

Joe Stephenson
River Gas of Utah Inc.
3600 Watermelon Road, Suite 204
Northport, Alabama 35476

Re: Operator Change, Texaco E&P Inc. to River Gas of Utah Inc.

Dear Mr. Stephenson:

As per your request, enclosed is an original copy of operator change sundries submitted to the Division by Texaco E&P Inc., along with blank copies of Form 9/Sundry Notices and Reports on Wells for submittal of the same in behalf of River Gas of Utah Inc.

Should you have any questions, please call me at the number listed above.

Sincerely,

Lisha Cordova
Admin. Analyst

Enclosure

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.

Use APPLICATION FOR PERMIT— for such proposals

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other (specify) <u>Disposal Well</u>		6. Lease Designation and Serial Number <u>Patented</u>
2. Name of Operator <u>TEXACO EXPLORATION AND PRODUCTION INC.</u>		7. Indian Allottee or Tribe Name
3. Address of Operator <u>P. O. Box 46510 Denver, Colorado 80201-6510</u>		8. Unit or Communitization Agreement
4. Telephone Number <u>(303) 793-4000</u>		9. Well Name and Number <u>Arcadia-Telonis #1</u>
5. Location of Well Footage : <u>560' FEL and 465' FSL</u> QQ, Sec. T., R., M. : <u>Sec. 19, T14S-R9E</u>		10. API Well Number <u>43-007-30093</u>
		11. Field and Pool, or Wildcat <u>Wildcat</u>
12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|---|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Transfer of Operator</u> | |

Approximate Date Work Will Start _____

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Date of Work Completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

TRANSFER OF OPERATOR TO:

RIVER GAS OF UTAH, INC.
3600 Watermelon Road, Suite 204
Northport, Alabama 35476
Phone: (205) 759-3282

FEB 16 1994

THE EFFECTIVE DATE OF OPERATION: January 1, 1994

14. I hereby certify that the foregoing is true and correct

Name & Signature

River Gas of Utah, Inc.

Title: Portfolio Manager Date: 2/11/94

(State Use Only)



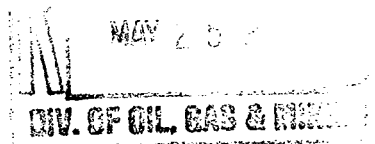
RIVER GAS OF UTAH, INC.

511 Energy Center Blvd.

Northport, AL 35476

(205) 759-3282

May 24, 1994



Ms. Roxy Blu
Denver Producing Division Portfolio
Texaco Exploration and Production Inc.
P. O. Box 2100
Denver, CO 80201

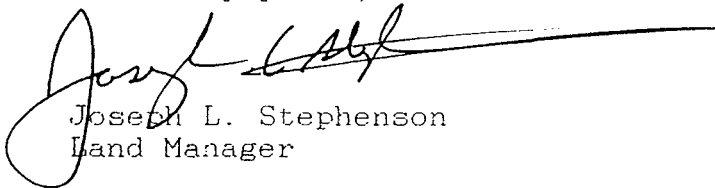
RE: State "Transfer of Authority to Inject" Forms (UIC Form 5)
Telonis #1 & Govt. W. A. Drew #1 Wells
Carbon County, UT

Dear Ms. Blu:

Ms. Lisha Cordova, Administrative Analyst at the Utah Division of Oil, Gas and Mining (DOGM) in Salt Lake City, sent me the above referenced forms for RGU and Texaco to execute. The forms must be submitted to DOGM in duplicate originals. We have executed our portion and they are enclosed for Texaco's execution. Please send these forms to Ms. Cordova after an authorized party at Texaco has executed them.

If you should have any questions from this point on, please contact Mr. Dennis Plowman in this office. He will be in charge of the well files.

Sincerely yours,



Joseph L. Stephenson
Land Manager

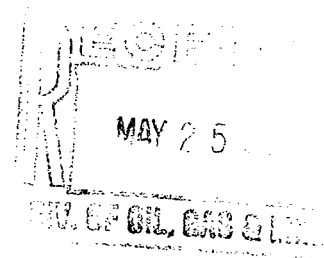
Enc.

cc: Mr. Dennis Plowman
Ms. Lisha Cordova



RIVER GAS OF UTAH, INC.

511 Energy Center Blvd.
Northport, AL 35476
(205) 759-3282



May 24, 1994

UNITED PARCEL SERVICE

Ms. Lisha Cordova
Administrative Analyst
Utah Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

RE: Operator Change
Texaco E&P Inc. to River Gas of Utah, Inc.
Carbon County, UT

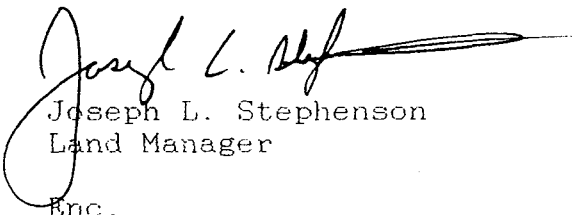
Dear Ms. Cordova:

Enclosed are Form 9 Sundry Notices, executed in duplicate originals, for the following wells:

Arcadia-Telonis #1	- API No. 4300730093
Govt. W. A. Drew #1	- API No. 4300730100
E. G. Telonis #1	- API No. 4300730107
Govt. W. A. Drew #2	- API No. 4300730114
Stella-Hamaker #1	- API No. 4300730116
Pinnacle Peak Unit #2	- API No. 4300730117

If you should have any questions from this point on, please contact Mr. Dennis Plowman in this office. He will be in charge of the well files.

Sincerely yours,


Joseph L. Stephenson
Land Manager
Enc.

cc: Mr. Dennis Plowman

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☐ GAS ☐ OTHER: **Water Disposal Well**

2. Name of Operator:
RIVER GAS OF UTAH, INC.

3. Address and Telephone Number:
511 ENERGY CENTER BLVD., NORTHPORT, AL 34576 (205/759-3282)

4. Location of Well **560' FEL, 465' FSL**
Footages:

OQ, Sec., T., R., M.: **Sec. 19, T14S, R9E, SLM**

5. Lease Designation and Serial Number:

PATENTED LANDS (FEE)

6. If Indian, Allottee or Tribe Name:

N/A

7. Unit Agreement Name: **(drilled before Drunkards Wash Unit formed)**

8. Well Name and Number:

Arcadia-Telonis #1

9. API Well Number:

4300730093

10. Field and Pool, or Wildcat:

wildcat

County: **CARBON**

State: **UTAH**

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT

(Submit in Duplicate)

- | | |
|---|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other Accepting transfer of operator | |

Approximate date work will start _____

SUBSEQUENT REPORT

(Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Date of work completion _____

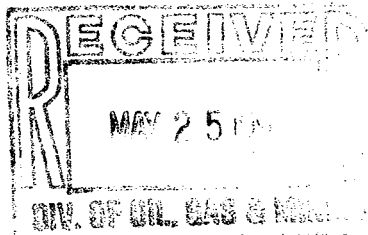
Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

ACCEPTING TRANSFER OF OPERATOR FROM:

**TEXACO EXPLORATION AND PRODUCTION INC.
P. O. BOX 46510
DENVER, CO 80201-6510**



THE EFFECTIVE DATE OF ACCEPTANCE OF OPERATOR RIGHTS IS JANUARY 1, 1994

13.

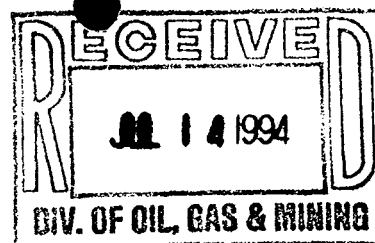
Name & Signature:

David M. Chambers
David M. Chambers

Title: **President**

Date: **5/20/94**

(This space for State use only)



TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

Well name and number: TELONIS #1

Field or Unit name: WILDCAT (SEE DRUNKARDS WASH UNIT) API no. 4300730093

Well location: QQ SE/SE section 19 township 14S range 9E county CARBON

Effective Date of Transfer: 1/1/94

CURRENT OPERATOR

Transfer approved by:

Name Kevin D. Smith

Company TEXACO EXPLORATION AND PRODUCTION, INC.

Signature Kevin D. Smith

Address P. O. BOX 46510

Title Portfolio Manager

DENVER, CO 80201-6510

Date 6/3/94

Phone (303) 793-4000

Comments:

NEW OPERATOR

Transfer approved by:

Name DAVID M. CHAMBERS

Company RIVER GAS OF UTAH, INC.

Signature X David M. Chambers

Address 511 ENERGY CENTER BLVD.

Title PRESIDENT

NORTHPORT, AL 35476

Date 5/20/94

Phone (205) 759-3282

Comments:

(State use only)

Transfer approved by [Signature]

Title UIC Manager

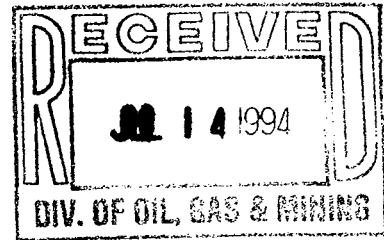
Approval Date 7-19-94

well is due for UIC



Texaco USA
Western E&P Region
Denver Producing Division

P.O. Box 46510
Denver CO 80201-6510
8055 E Tufts Avenue
Denver CO 80237
303 793 4000



June 2, 1994

Transfer of Authority to Inject
Telonis #1 & Gov't W. A. Drew #1
Carbon County, UT

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
3 Triad Center
Suite 350
Salt Lake City, UT 84180-1203
Attn: Ms. Lisha Romero

Dear Ms. Romero:

Enclosed for your approval are fully executed transfer forms which cover the captioned properties.

Should you have any questions, please contact Roxy Blu at (303) 793-4817. Thank you for your assistance in this matter.

Sincerely,

Kevin D. Smith
Portfolio Manager
Denver Producing Division

KDS:rb

attachments

ENTITY ACTION FORM - FORM 6

ADDRESS _____

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
C	7101	11256	43-007-30107	EG TELONIS ETAL #1	NESE	20	14S	9E	CARBON	11-7-84	1-1-94
WELL 1 COMMENTS: *OPER FR TEXACO EFF 1-1-94. (DRUNKARDS WASH UNIT)											
C	10921	11256	43-007-30117	PINNACLE PEAK UNIT 2	C-SE	19	14S	9E	CARBON	8-2-88	1-1-94
WELL 2 COMMENTS: *OPER FR TEXACO EFF 1-1-94. (DRUNKARDS WASH UNIT)											
E	99990	99990	43-007-30093	TELONIS #1/WDW	SESE	19	14S	9E	CARBON	9-12-83	1-1-94
WELL 3 COMMENTS: *OPER FR TEXACO EFF 1-1-94. (DRUNKARDS WASH UNIT)-NO ENTITY CHG NECESSARY-NO PROD/SERVICE WELL.											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

L. CORDOVA (DOGM)

Signature

ADMIN. ANALYST

7-15-94

Title

Date

Phone No. ()



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

July 26, 1994

Ms. Roxy Blu
Denver Producing Division - Portfolio Group
Texaco Exploration and Production Inc.
P.O. Box 46510
Denver, Colorado 80201-6510

Re: Notification of Sale or Transfer of Fee Lease Interest - Carbon County, Utah

Dear Ms. Blu:

The division has received notification of a change of operator from Texaco E & P Inc. to River Gas of Utah, Inc. for the following wells which are located on fee leases.

E.G. Telonis Etal 1 Well	Section 20, T. 14 S., R. 9 E.	API No. 43-007-30107
Pinnacle Peak U2 Well	Section 19, T. 14 S., R. 9 E.	API No. 43-007-30117
Stella Hamaker 1 Well	Section 10, T. 15 S., R. 8 E.	API No. 43-007-30116
Telonis 1 Well	Section 19, T. 14 S., R. 9 E.	API No. 43-007-30093

Rule R.649-2-10 of the Utah Oil and Gas Conservation General Rules, requires that the owner of a lease provide notification to any person with an interest in such lease (working interest or royalty interest), when all or part of that interest in the lease is sold or transferred.

This letter is written to advise Texaco E & P Inc. of its responsibility to notify all individuals with an interest in these leases of the change of operator. Please provide written documentation of this notification to the division no later than August 17, 1994.

Sincerely,

Don Staley
Administrative Manager
Oil and Gas

ldc

cc: R.J. Firth

WOI201



Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1- LPC / GIL
2-LWP 7-PL
3- DTG 8-SJ
4-VLC 9-FILE
5-RJF
6-LWP

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

☒ Change of Operator ☐ Designation of Agent
☐ Designation of Operator ☒ Operator Name Change only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 1-1-95)

TO (new operator) RIVER GAS CORPORATION
 (address) 511 ENERGY CENTER BLVD
NORTHPORT AL 35476
 phone (205) 759-3282
 account no. N 1605 (2-1-95)

FROM (former operator) RIVER GAS OF UTAH INC
 (address) 511 ENERGY CENTER BLVD
NORTHPORT AL 35476
 phone (205) 759-3282
 account no. N 1600

Well(s) (attach additional page if needed):

***DRUNKARDS WASH UNIT**

Name: **SEE ATTACHED**	API: <u>007-30093</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- 1 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Reg. 2-1-95) (Rec'd 2-17-95)
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- 1 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: #171151. (Ltr. 12/94)
- 1 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- 1 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (3-2-95)
- LWP 6. Cardex file has been updated for each well listed above. 3-8-95
- LWP 7. Well file labels have been updated for each well listed above. 3-9-95
- 1 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (3-6-95)
- 1 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- ✓ 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) (no) (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only) **Trust Lands / IDLOC #5304666 / 80,000 "Nm Chg Rider rec'd & Appr."*

- ✓ 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond. *IDLOC # 5308586 / 80,000 "Nm Chg Rider rec'd 1-30-95"*
2. A copy of this form has been placed in the new and former operators' bond files.
- N/A 3. The former operator has requested a release of liability from their bond (yes/no) . Today's date 19 . If yes, division response was made by letter dated 19 .

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 19 , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- OTS 2. Copies of documents have been sent to State Lands for changes involving State leases. *3/10/95 to Ed Bonner*

FILMING

- ✓ 1. All attachments to this form have been microfilmed. Date: March 27 1995.

FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

** Bm/SP Appr. eff. 2-16-95.*

950307 GH/WIC FS Not necessary. 31-01-01/wic, Telonis #1/WDAJ, Area #1/WDAJ.

LAW OFFICES
PRUITT, GUSHEE & BACHTELL
SUITE 1850 BENEFICIAL LIFE TOWER
SALT LAKE CITY, UTAH 84111-1495
(801) 531-8446

ROBERT G. PRUITT, JR.
OLIVER W. GUSHEE, JR.
THOMAS W. BACHTELL
A. JOHN DAVIS, III
JOHN W. ANDERSON
FREDERICK M. MACDONALD
ANGELA L. FRANKLIN

TELECOPIER (801) 531-8468

OF COUNSEL
JOHN F. WALDO
BRENT A. BOHMAN

February 17, 1995

Utah Division of Oil, Gas and Mining
355 W. North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Attn: Lisha Cordova

Re: *River Gas Corporation Merger*

Dear Ms. Cordova:

As you may recall, this office serves as Utah legal counsel for River Gas Corporation ("RGC"). Effective January 1, 1995, River Gas of Utah, Inc. ("RGU") merged into RGC as evidenced by the enclosed Certification of Articles of Merger issued by the Utah Department of Commerce. I have also enclosed a listing of all wells which, to the best of RGC's knowledge, RGU operated and an amendment to the Letter of Credit from RGU's surety recognizing the merger and confirming bond coverage for RGC.

Based on the enclosed documentation, please change your records to reflect that RGC is the current operator of all wells formerly operated by RGU. If a formal decision letter recognizing the merger is to be executed, please send the original to RGC at the following address:

River Gas Corporation
Attention: Joseph L. Stephenson, Vice President-Land
511 Energy Center Blvd.
Northport, Alabama 35476,

with a copy to me at the letterhead address.

RECEIVED

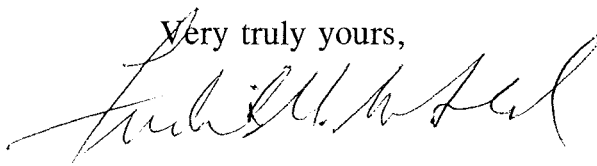
FEB 17 1995

DIVISION OF
OIL, GAS & MINING

Utah Division of Oil, Gas and Mining
February 17, 1995
Page 2

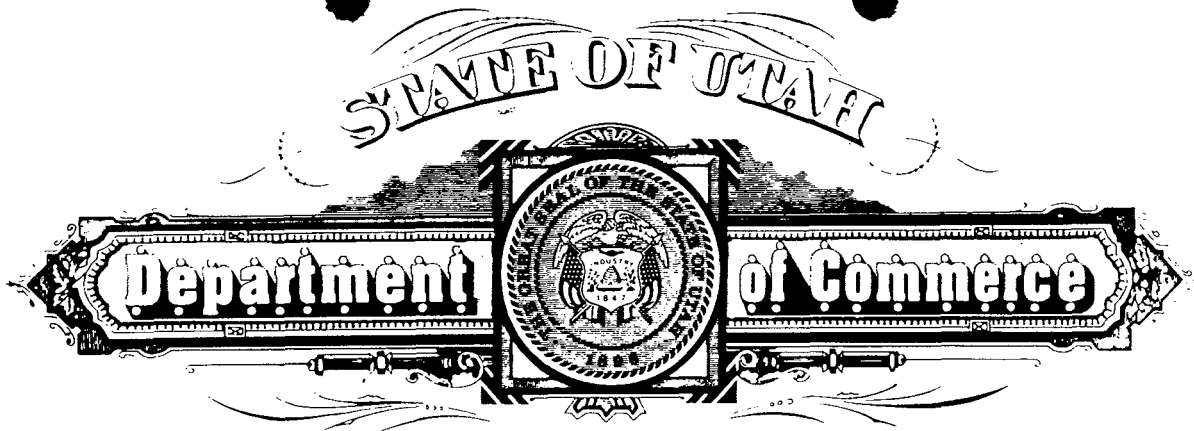
I thank you in advance for your time and cooperation and, should there be any questions or problems, please do not hesitate to contact me.

Very truly yours,

A handwritten signature in cursive script, appearing to read "Frederick M. MacDonald".

Frederick M. MacDonald

FMM:sp
1526.39
Enclosures
cc: Joseph L. Stephenson

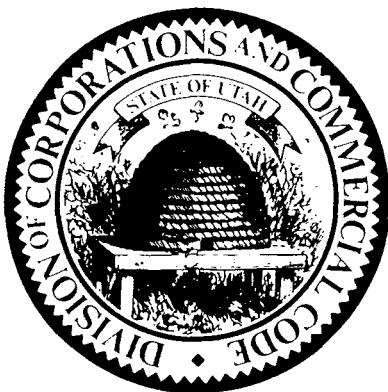


CERTIFICATION OF ARTICLES OF MERGER

THE UTAH DIVISION OF CORPORATIONS AND COMMERCIAL CODE HEREBY CERTIFIES THAT Articles of Merger were filed with this office on January 1, 1995, merging RIVER GAS OF UTAH, INC., a corporation of the State of Utah, into RIVER GAS CORPORATION, the surviving corporation which is of the State of Alabama,

AS APPEARS OF RECORD IN THE OFFICES OF THE DIVISION.

File Number: *CO 171151*



Dated this 16th day
of February, 19 95.

Karla S. Woods

Karla T. Woods
Director, Division of
Corporations and Commercial Code

43-007-30256	✓Utah 24-81 / <i>DR</i>	15 South, 9 East, 24	Carbon
43-007-30257	✓Utah 32-82 / <i>DR</i>	15 South, 9 East, 32	Carbon
43-007-30259	✓Utah 21-83 / <i>DR</i>	15 South, 10 East, 21	Carbon
43-007-30258	✓Helper 07-84 / <i>DR</i>	15 South, 9 East, 7	Carbon
43-007-30261	✓Utah 27-85 / <i>DR</i>	14 South, 8 East, 27	Carbon
43-007-30040	✓Utah 31-01-D1 / <i>WDW</i> - <i>NAYA</i>	14 South, 10 East, 31	Carbon
43-007-30107	✓E.G. Telonis #1	14 South, 9 East, 20	Carbon
43-007-30093	✓Arcadia-Telonis / <i>WDW</i> - <i>MPEN</i>	14 South, 9 East, 19	Carbon
43-007-30100	✓Drew #1 / <i>WDW</i> - <i>DKTA</i>	14 South, 9 East, 34	Carbon
43-007-30114	✓Drew #2	14 South, 9 East, 34	Carbon
43-007-30116	✓Stella-Hamaker	15 South, 8 East, 10	Carbon
43-007-30117	✓Pinnacle Peak Unit #2	14 South, 9 East, 19	Carbon



RIVER GAS CORPORATION

511 Energy Center Blvd.
Northport, Alabama 35476
Phone (205) 759-3282
Fax (205) 759-3188 (Accounting)
Fax (205) 758-5309 (Corporate)



43-007-30093

February 28, 1996

Mr. Gil Hunt
State of Utah
Department of Natural Resources
Division of Oil, Gas, and Mining
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

RE: Injection Application for Arcadia-Telonis #1

Dear Mr. Hunt:

Enclosed please find a sundry notice for work to be done on the Arcadia-Telonis #1 well. We will be working on the Arcadia-Telonis #1 in anticipation of our water disposal needs for the coming drilling season. I am currently pulling together the information that goes with the Application for Injection and will send it along as soon as possible.

Please do not hesitate to call if I may be of any assistance.

Sincerely,

A handwritten signature in cursive script that reads "Callen Hurtt".

Callen Hurtt

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT— for such proposals

6. Lease Designation and Serial Number

Patented Lands (Fee)

7. Indian Allottee or Tribe Name

N/A

8. Unit or Communitization Agreement

Drilled before Drunkards
Wash was formed/

9. Well Name and Number

Arcadia-Telonis #1

10. API Well Number

43-007-30093

11. Field and Pool, or Wildcat

Wildcat

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other (specify) water disposal well

2. Name of Operator

River Gas Corporation

3. Address of Operator

511 Energy Center Blvd. Northport, AL 35476

4. Telephone Number

(205) 759-3282

5. Location of Well

Footage : 465' FSL, 560' FEL

QQ, Sec. T., R., M. : Sec 19, T14S-R9E

County : Carbon

State : UTAH

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|---|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>see attached</u> | |

Approximate Date Work Will Start March 1996

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Date of Work Completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

SEE ATTACHED # 13

14. I hereby certify that the foregoing is true and correct

Name & Signature Callen Hurtt*Callen Hurtt*Title Tech. AssistantDate 2.28.96

(State Use Only)

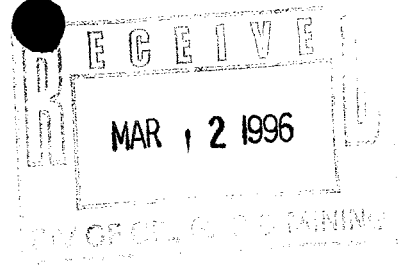
13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS

1. Squeeze perfs in the Morrison zone.
2. Set a cast iron bridge plug at the bottom of the 9 5/8"
3. Run a mechanical integrity test on 9 5/8"
4. Perforate the Entrada and run a step rate injection fall off test.
5. Run 2 7/8" tubing down to the Entrada and inject down the tubing.
6. If there is too much friction pressure 7" will be run to serve as tubing for injection.
7. If the step rate injection fall off test is insufficient for anticipated production rates in the Entrada we will move on to the Navajo.
8. Squeeze the Entrada Perfs.
9. Clean out the 9 5/8" to below the Navajo.
10. Run 7" 26lb K-55 and cement to the surface.
11. Run step rate injection fall off test on the Navajo.



RIVER GAS CORPORATION

511 Energy Center Blvd.
Northport, Alabama 35476
Phone (205) 759-3282
Fax (205) 759-3188



March 6, 1996

Mr. Gil Hunt
State of Utah
Department of Natural Resources
Division of Oil, Gas, and Mining
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

RE: Application for Injection for the Arcadia-Telonis #1

Dear Mr. Hunt:

Following you will find the Application for Injection for the Arcadia-Telonis #1. River Gas will be running a suite of cased hole logs in order to determine which zones will be tested. Tentatively injection intervals are in the: Curtis 5500-5580, Entrada 5630-6330, and Navajo 7110-7500.

Once the logs have been run and we have isolated the zone we will supply you with requirements: R649-5-2.2.9, R649-5-2.2.10, R649-5-2.2.11, R649-5-2.2.12. I hope to have these requirements on their way to you soon in order to expedite the announcement of the proposal for public comment.

Please do not hesitate to call if I may be of any assistance.

Sincerely,

A handwritten signature in cursive script that reads "Callen Hurtt".

Callen Hurtt

MAR 12 1996

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR RIVER GAS CORPORATION
ADDRESS 511 ENERGY CENTER BLVD.
NORTHPORT, AL 35476

Well name and number: ARCADIA - TELONIS #1
Field or Unit name: DRUNKARD'S WASH UNIT Lease no. 43-007-30093
Well location: QQ SE/SE section 19 township 14S range 9E county CARBON

Is this application for expansion of an existing project? . . Yes ☒ No ☐

Will the proposed well be used for: Enhanced Recovery? . . Yes ☐ No ☐
Disposal? Yes ☒ No ☐
Storage? Yes ☐ No ☐

Is this application for a new well to be drilled? Yes ☐ No ☐

If this application is for an existing well,
has a casing test been performed on the well? Yes ☐ No ☐

Date of test: _____
API number: _____

Proposed injection interval: from 7110 5653 5500 to 7500 6330 5580

Proposed maximum injection: rate _____ pressure _____ psig

Proposed injection zone contains ☐ oil, ☐ gas, and/or ☐ fresh water within 1/2 mile of the well.

IMPORTANT: Additional information as required by R615-5-2 should accompany this form.

List of Attachments: _____

I certify that this report is true and complete to the best of my knowledge.

Name CalLEN HURTT
Title TECHNICAL ASSISTANT
Phone No. (205) 759-3282

Signature CalLEN HURTT
Date 3/6/96

(State use only)

Application approved by _____ Title _____
Approval Date _____

Comments: MAXIMUM INJECTION WILL BE SUBMITTED AT A LATER DATE.



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

March 13, 1996

Mike Farrens
River Gas Corporation
511 Energy Center Blvd.
Northport, Alabama 35476

Re: Application for Injection into the Arcadia-Telonis #1 Well

Dear Mike:

The Division of Oil, Gas and Mining (Division) is in receipt of a letter submitted by Callen Hurtt of your company dated March 6, 1996. This letter requests approval to convert the above mentioned well to an injection well. As was previously discussed with you on the telephone, River Gas must first submit an application to deepen this well. Information to be submitted with this application is outlined in the Oil and Gas Conservation General Rules under R649-3-4. Permitting of wells to be drilled, deepened, or plugged-back.

The Arcadia-Telonis #1 well was permitted for injection into the Morrison Formation by Texaco in June 1987. The well has not had fluid injected into it since November 1988. After that time the well has been perforated in the Ferron sands and a fracture stimulation has been performed. Considering this information and the fact that your company wants to test zones in the Curtis, Entrada and Navajo Formations, the Division will require you to repermit the well for injection purposes.

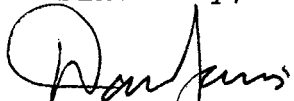
Additionally the Division will not initiate any type of agency action to convert the well to an injection well until a complete application is made. Submittal of a UIC Form 1, Application for Injection Well, does not constitute a complete application. Please find enclosed a copy of a draft Division Guidance Document which outlines procedures for making application to convert a well to an injection well. This document should be used in conjunction with the applicable rules regarding underground injection of fluids.

Page 2
Mike Farrens
March 13, 1996

After the above information has been received and reviewed by the Division a public notice will be published to solicit public comment.

If you have any questions regarding this matter please call me at 801-538-5340.

Sincerely,

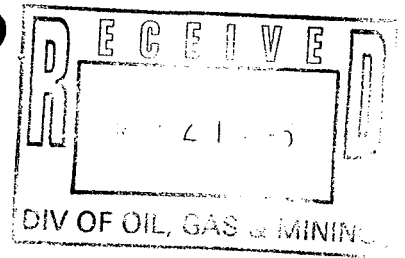
A handwritten signature in black ink, appearing to read "Dan Jarvis", is written over a circular stamp or mark.

Dan Jarvis
UIC Geologist

lwp
Enclosure
cc: Callen Hurtt



RIVER GAS CORPORATION



511 Energy Center Blvd.
Northport, Alabama 35476
Phone (205) 759-3282
Fax (205) 759-3188 (Accounting)
Fax (205) 758-5309 (Corporate)

March 15, 1996

Mr. Michael Hebertson
Utah Board of Oil, Gas, and Mining
Suite 350, 3 Triad Center
355 West North Temple
Salt Lake City, Utah 84180-1203

RE: Surface Land Use Agreements

Dear Mr. Hebertson:

Enclosed are the surface land use agreements for two existing wells which we plan to re-enter soon. These wells are the Pinnacle Peak #2(gas) and the Arcadia-Telonis water disposal well (D-2).

Sincerely,


Terry Burns



MAR 18 1996

RIVER GAS CORPORATION

511 Energy Center Blvd.
Northport, Alabama 35476
Phone (205) 759-3282
Fax (205) 759-3188 (Accounting)
Fax (205) 758-5309 (Corporate)

March 14, 1996

Mr. Gil Hunt
State of Utah
Department of Natural Resources
Division of Oil, Gas, and Mining
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

RE: Application to Deepen the Arcadia-Telonis #1

Dear Mr. Hunt:

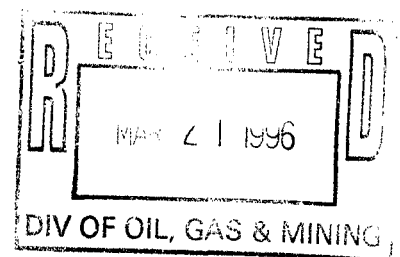
Enclosed please find an application to deepen an existing well for the Arcadia-Telonis #1. I was informed that the sundry notice we had submitted was insufficient because we are planning on extending the casing. I trust this new application will resolve the matter.

Please do not hesitate to call if I may be of any assistance.

Sincerely,

A handwritten signature in cursive script that reads "Callen Hurtt".

Callen Hurtt



STATE OF ALABAMA)
)
) : ss.
COUNTY OF TUSCALOOSA)

**AFFIDAVIT CONCERNING SURFACE OWNER
CONSENT REGARDING WELL SITE CONSTRUCTION**

JOSEPH L. STEPHENSON, being first duly sworn upon his oath,
deposes and states:

1. I am Vice President - Land of River Gas Corporation ("RGC"), an Alabama corporation duly authorized to transact business in the State of Utah, and am authorized to execute this Affidavit on behalf of said corporation.
2. As Vice President - Land, I am responsible for supervision of lease records and reviewing title records and legal opinions affecting lands where RGC proposes to conduct operations, and obtaining surface land use agreements associated with the development of leased mineral rights.
3. RGC proposes to conduct operations on a shut-in coalbed methane gas well named the Texaco-RGC/Pinnacle Peak #2 located in the SE1/4 of Section 19, T14S, R9E, Carbon County, Utah, the MAJORITY OF THE surface and mineral of said lands being managed by **NICK SAMPINOS**, Attorney-in-Fact for the owners, **Evangelos G. Telonis a/k/a Evangelos George Telonis and Angelo G. Telonis, Thomas G. Telonis a/k/a Thomas George Telonis and Athanasios G. Telonis, John G. Telonis a/k/a John George Telonis, and Fotini Telonis** (said ownership being the site of the existing well), with Carbon County, a political subdivision of the State of Utah, owning a minority of the surface and mineral in said tract (the ownership of Carbon County not to be affected by surface operations), (hereafter called "fee owners").
4. RGC, Texaco Exploration and Production Inc., and Dominion Reserves-Utah, Inc. are the owners of 100% of the working interests of leases obtained from the fee owners described above regarding 100% ownership of said tract.
5. As evidenced by copy of MEMORANDUM OF SURFACE LAND USE AGREEMENT dated February 15, 1996 attached hereto as Exhibit "A", and by this reference incorporated herein, the above described fee owners of the Texaco-RGC/Pinnacle Peak #2 well site agreed to certain surface use as described therein.
6. The matters stated herein are true of my own knowledge, except to any matters stated herein upon information and belief, and, as to those matters, I believe them to be true.

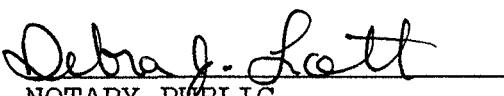
DATED this 8th day of February, 1996.


JOSEPH L. STEPHENSON

Subscribed, sworn and acknowledged to and by Joseph L. Stephenson before me this 8th day of February, 1996.

(SEAL)

My Commission Expires: 4/9/97


NOTARY PUBLIC
Residing at:
1510 Upper Lake Drive
Cottondale, AL 35453

COPY

WHEN RECORDED RETURN TO:

William L. Kirk, Jr. - Land Department
River Gas Corporation
511 Energy Center Blvd.
Northport, AL 35476

EXHIBIT "A"

MEMORANDUM OF SURFACE LAND USE AGREEMENT

THIS MEMORANDUM OF SURFACE LAND USE AGREEMENT, dated effective the 15th day of February, 1996, is by and between Nick Sampinos, Attorney-in-Fact for Evangelos G. Telonis a/k/a Evangelos George Telonis a/k/a Angelo G. Telonis, Thomas G. Telonis a/k/a Thomas George Telonis a/k/a Athanasios G. Telonis, John G. Telonis a/k/a John George Telonis, and Fotini Telonis (collectively, "the Telonises") whose address is 80 West Main, Suite 201, Price, Utah 84501, (hereinafter referred to as "Grantor"), and **RIVER GAS CORPORATION**, an Alabama corporation authorized to conduct to business in the state of Utah, with an address of 511 Energy Center Blvd. Northport, Alabama 35476 (hereinafter referred to as "Grantee").

Grantor, in consideration of the covenants and agreements contained in that certain unrecorded Surface Land Use Agreement (the "Agreement") dated February 15, 1996, granted, and does hereby grant unto Grantee certain rights to enter upon and use certain lands (the "Lands") located in the County of Carbon, State of Utah, as described on **Exhibit "A"** attached hereto and made a part of this Memorandum of Surface Land Use Agreement, for the purpose of building access roads, pipelines and appurtenances thereto, power lines, and well sites for the drilling of a coalbed degasification wells on said property until such time as Grantee abandons said lands in accordance with the terms and conditions specified in said Agreement.

The Lands are subject to all of the terms and conditions of the Agreement, reference to which may be made for a complete statement of rights and obligations of Grantor and Grantee. Copies of the Agreement may be found at the above indicated addresses of the parties and are available for review during regular business hours by any party having a vested interest in the Agreement.

This Memorandum of Surface Land Use Agreement may be executed in any number of counterparts and shall be binding upon all parties executing the same or a counterpart hereof.


This Memorandum of Surface Land Use Agreement is to be placed of record to serve as notice of the execution and existence of said Agreement, and is in no way to supersede, abrogate, change or modify any of the terms, conditions, rights or obligations of any of the parties, all of which are set forth in detail in said Agreement. The terms and conditions of said Agreement are made a part hereof by reference for all purposes, to be the same effect as though written in extenso herein. All the terms, conditions and covenants of the Agreement shall be binding upon and shall inure to the benefit of the successors and assigns, respectively, of each of the parties hereto.

IN WITNESS WHEREOF, Grantor and Grantee have executed this Memorandum of Surface Land Use Agreement as of the dates of the respective acknowledgments.

Dated: 2/15/96

Grantor:

Nick Sampinos, Attorney-in-Fact for Evangelos G. Telonis a/k/a Evangelos George Telonis a/k/a Angelo G. Telonis, Thomas G. Telonis a/k/a Thomas George Telonis a/k/a Athanasios G. Telonis, John G. Telonis a/k/a John George Telonis, and Fotini Telonis (collectively, "the Telonises")

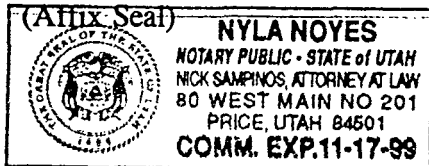

Nick Sampinos


STATE OF UTAH

COUNTY OF CARBON

I, the undersigned authority, a Notary Public in and for said County, in said State, hereby certify that Nick Sampinos, Attorney-in-Fact for Evangelos G. Telonis a/k/a Evangelos George Telonis a/k/a Angelo G. Telonis, Thomas G. Telonis a/k/a Thomas George Telonis a/k/a Athanasios G. Telonis, John G. Telonis a/k/a John George Telonis, and Fotini Telonis (collectively, "the Telonises") to me personally known to be the identical person who executed the within and foregoing instrument and acknowledged to me that he duly executed the same as his free and voluntary act and deed for and on behalf of "the Telonises" in his capacity as Attorney-in Fact for the uses and purposes therein set forth.

Given under my hand and seal, this 15 day of February, 1996.




Notary Public
Residing at:
Price, Utah

My Commission Expires: 11-17-99

Dated: February 21, 1996

Grantee:

RIVER GAS CORPORATION

By: Joseph L. Stephenson

Joseph L. Stephenson
Its Vice President - Land

STATE OF ALABAMA

COUNTY OF TUSCALOOSA

I, the undersigned authority, a Notary Public in and for said County in said State, hereby certify that Joseph L. Stephenson, whose name as Vice President - Land of River Gas Corporation, is signed to the foregoing instrument, and who is known to me, acknowledged before me on this day that, being informed of the contents of the instrument, he, as such officer and with full authority, executed the same voluntarily for and as the act of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my notarial seal this the 21 day of February, 1996.

(Affix Seal)

Dana Campbell
Notary Public
Residing at:
1429 20th Ave. East
Tuscaloosa, AL 35404

My Commission Expires: 3-8-98

EXHIBIT "A"
SURFACE OWNERSHIP OF TELONISES.
Page 1 of 3

Attached to and made a part of that certain Memorandum of Surface Land Use Agreement effective the 15th day of February, 1996 by and between Nick Sampinos, Attorney-in-Fact for Evangelos G. Telonis a/k/a Evangelos George Telonis a/k/a Angelo G. Telonis, Thomas G. Telonis a/k/a Thomas George Telonis a/k/a Athanasios G. Telonis, John G. Telonis a/k/a John George Telonis, and Fotini Telonis (collectively, "the Telonises") as Grantors and River Gas Corporation as Grantee.

Carbon County, Utah

1-A. A well location approximately two hundred foot (200') by two hundred fifty foot (250') (1.15 acres) in the SW/4 of SW/4, Section 15, T14s-R9e, SLM. (RGC/Telonis 15-142).

1-B. A well location approximately two hundred foot (200') by two hundred fifty foot (250') (1.15 acres) in the SW/4, Section 16, T14s-R9e, SLM. (RGC/Telonis 16-145).

1-C. An existing well location approximately two hundred foot (200') by two hundred fifty foot (250') (1.15 acres) in the center of the SE/4, Section 19, T14s-R9e, SLM. ~~(Texaco-RGC/Pinnacle Peak #2)~~

1-D. An existing well location approximately two hundred foot (200') by two hundred fifty foot (250') (1.15 acres) in the SE/4 of SE/4, Section 19, T14s-R9e, SLM. (Texaco-RGC/Arcadia-Telonis Disposal Well).

1-E. A well location approximately two hundred foot (200') by two hundred fifty foot (250') (1.15 acres) in the NE/4 of NW/4, Section 19, T14s-R9e, SLM. (RGC/Telonis 19-150).

1-F. A well location approximately two hundred foot (200') by two hundred fifty foot (250') (1.15 acres) in the SE/4 of SW/4, Section 19, T14s-R9e, SLM. (RGC/Telonis 19-151).

1-G. A well location approximately two hundred foot (200') by two hundred fifty foot (250') (1.15 acres) in the NE/4, Section 20, T14s-R9e, SLM. (RGC/Telonis 20-152).

1-H. An existing well location approximately two hundred foot (200') by two hundred fifty foot (250') (1.15 acres) in the NE/4 of SE/4, Section 20, T14s-R9e, SLM. (Texaco-RGC/E. G. Telonis #1).

1-I. A well location approximately two hundred foot (200') by two hundred fifty foot (250') (1.15 acres) in the NE/4 of NE/4, Section 21, T14s-R9e, SLM. (RGC/Telonis 21-90).

1-J. A well location approximately two hundred foot (200') by two hundred fifty foot (250') (1.15 acres) in the NE/4 of NW/4, Section 21, T14s-R9e, SLM. (RGC/Telonis 21-153).

1-K. A well location approximately two hundred foot (200') by two hundred fifty foot (250') (1.15 acres) in the NE/4 of NW/4 Section 29, T14s-R9e, SLM. (RGC/Telonis 29-154).

1-L. A well location approximately two hundred foot (200') by two hundred fifty foot (250') (1.15 acres) in the NW/4 of SW/4, Section 29, T14s-R9e, SLM. (RGC/Telonis 29-155).

Exhibit "A"
Page 2 of 3

- 1-M. A well location approximately two hundred foot (200') by two hundred fifty foot (250') (1.15 acres) in the NE/4 of NE/4, Section 30, T14s-R9e, SLM. (RGC/Telonis 30-156).
- 1-N. A well location approximately two hundred foot (200') by two hundred fifty foot (250') (1.15 acres) in the NE/4 of SE/4, Section 30, T14s-R9e, SLM. (RGC/Telonis 30-157).
- 1-O. A road/pipeline/powerline right-of-way forty foot (40') wide by one thousand foot (1000') long (61 rods) (0.92 acre), more or less, in the SW/4 of SW/4, Section 15, T14s-R9e, SLM, which is needed for access to the RGC/Telonis 14-142 Well (Well location 1-A).
- 1-P. A road/pipeline/powerline right-of-way forty foot (40') wide by nine thousand two hundred forty foot (9,240) long (560 rods) (8.50 acres), more or less, running through the southern portion of the SW/4 of SW/4 Section 15, T14s-R9e, SLM (appx 1320'), also running along the north section line of the entirety of Section 21, T14s-R9e, SLM (appx 5,280') and running along the north section line of the NE/4 of Section 20-T14s-R9e, SLM (appx 2,640') which is needed for access to various wells in the Porphyry Bench area.
- 1-Q. A road/pipeline/powerline right-of-way forty foot (40') wide by two thousand nine hundred seventy five foot (2,975') long (181 rods) (2.73 acres), more or less, running through the W/2 of SW/4 Section 16, T14s-R9e, SLM, which is needed for access to various wells in the Porphyry Bench area.
- 1-R. A road/pipeline/powerline right-of-way forty foot (40') wide by one thousand foot (1,000') long (61 rods) (.92 acres) more or less, located in the W/2 of SW/4 Section 16, T14s-R9e, SLM, which is needed for access to the RGC/Telonis 16-145 Well (Well location 1-B).
- 1-S. A road/pipeline/powerline right-of-way forty foot (40') wide by one thousand three hundred twenty foot (1,320') long (80 rods) (1.21 acres) more or less, located in the N/2 of NE/4 Section 21, T14s-R9e, SLM, which is needed for access to the RGC/Telonis 21-90 Well (Well location 1-I).
- 1-T. A road/pipeline/powerline right-of-way forty foot (40') wide by one thousand foot (1,000') long (61 rods) (.92 acres) more or less, located in the N/2 of NW/4 Section 21, T14s-R9e, SLM, which is needed for access to the RGC/Telonis 21-153 Well (Well location 1-J).
- 1-U. A road/pipeline/powerline right-of-way forty foot (40') wide by one thousand three hundred twenty foot (1,320') long (80 rods) (1.21 acres) more or less, located in the W/2 of NE/4 Section 20, T14s-R9e, SLM, which is needed for access to the RGC/Telonis 20-152 Well (Well location 1-G).
- 1-V. A pipeline/powerline only right-of-way thirty foot (30') wide by three thousand six hundred thirty feet (3,630') long (220 rods) (2.50 acres) more or less, running along the eastern most portion of Section 20, T14s-R9e, SLM, which is needed for infrastructure connection to the Texaco-RGC/E. G. Telonis #1 Well (Well location 1-H).
- 1-W. A pipeline/powerline only right-of-way thirty foot (30') wide by four thousand three hundred foot (4,300') long (261 rods) (2.96 acres) more or less, running through the SE/4 of Section 20, T14s-R9e, SLM and running through the N/2 of NW/4 of Section 29, T14s-R9e, SLM, which is needed for infrastructure connection for the Texaco-RGC/E. G. Telonis #1 Well (Well location 1-H) and the RGC/Telonis 29-154 Well (Well location 1-K).

Exhibit "A"
Page 3 of 3

1-X. A pipeline/powerline only right-of-way thirty foot (30') wide by four thousand three hundred foot (4,300') long (261 rods) (2.96 acres) more or less, running along an existing county road through the E/2 of NE/4 and the N/2 of SE/4 Section 30, T14s-R9e, SLM, which is needed for infrastructure connection for various wells in the Porphyry Bench area.

1-Y. A road/pipeline/powerline right-of-way forty foot (40') wide by two thousand six hundred forty foot (2,640') long (160 rods) (2.43 acres) more or less, running along the eastern most portion of the SE/4 Section 19, T14s-R9e, SLM, which is needed for infrastructure connection for various wells in the Porphyry Bench area.

1-Z. A road/pipeline/powerline right-of-way forty foot (40') wide by two thousand six hundred forty foot (2,640') long (160 rods) (2.43 acres) more or less, running through the NE/4 of SE/4 Section 30, T14s-R9e, SLM and through the NW/4 of SW/4 Section 29, T14s-R9e, SLM, which is needed for access to the RGC/Telonis 30-157 Well (Well location 1-N) and the RGC/Telonis 29-155 Well (Well location 1-L).

1-AA. A road/pipeline/powerline right-of-way forty foot (40') wide by two thousand six hundred forty foot (2,640') long (160 rods) (2.43 acres) more or less, running through the NE/4 of NE/4 Section 30, T14s-R9e, SLM and through the N/2 of NW/4 Section 29, T14s-R9e, SLM which is needed for access to the RGC/Telonis 30-156 Well (Well location 1-M) and the RGC/Telonis 29-154 Well (Well location 1-K).

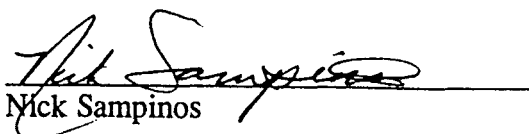
1-BB. A road/pipeline/powerline right-of-way forty foot (40') wide by three thousand five hundred foot (3,500') long (212 rods) (3.22 acres) more or less, running through the SE/4 of SW/4 and the S/2 of SE/4 Section 19, T14s-R9e, SLM, which is needed for access to the RGC/Telonis 19-151 Well (Well location 1-F) and the Texaco-RGC/Pinnacle Peak #2 Well (Well location 1-C).

1-CC. A road/pipeline/powerline right-of-way forty foot (40') wide by six hundred sixty foot (660') long (40 rods) (.60 acres) more or less, located in the SE/4 of SE/4 Section 19, T14s-R9e, SLM, which is needed for access to the Texaco-RGC/Arcadia-Telonis Disposal Well (Well location 1-D).

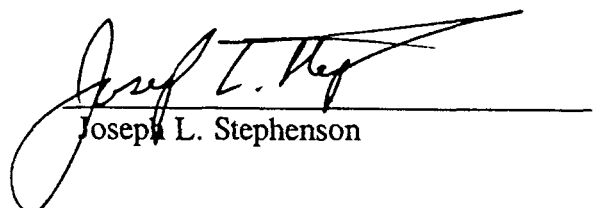
1-DD. A road/pipeline/powerline right-of way forty foot (40') wide by five hundred foot (500') long (31 rods) (.46 acres) more or less, located in the NE/4 of NW/4 Section 19, T14s-R9e, SLM which is needed for access to the RGC/Telonis 19-150 Well (Well location 1-E).

1-EE. A road/pipeline/powerline right of way forty foot (40') wide by two hundred seventy five foot (275') long (16.67 rods) (.25 acres) more or less, located in the NE/4 of NE/4 Section 30, T14s-R9e, SLM, which is needed for access to the RRC/Telonis 30-156 Well (Well location 1-M).

Signed for Identification


Nick Sampinos

Signed for Identification

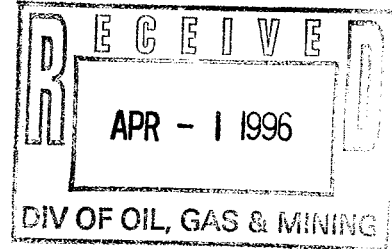

Joseph L. Stephenson



RIVER GAS CORPORATION

511 Energy Center Blvd.
Northport, Alabama 35476
Phone (205) 759-3282
Fax (205) 759-3188 (Accounting)
Fax (205) 758-5309 (Corporate)

March 25, 1996



Mr. Michael Hebertson
Utah Board of Oil, Gas, and Mining
Suite 350, 3 Triad Center
355 West North Temple
Salt Lake City, Utah 84180-1203

RE: Application for Permit to Deepen
Telonis D-2 SE 1/4 of SE 1/4 of Sec. 19, T14S, R9E
S.L.B. & M., Carbon County, Utah

Dear Mr. Hebertson:

Enclosed is an original and one copy of an "Application for Permit to Deepen" the well described above. Attached to the APD is the following information:

- Attachment #1 - Copy of survey plat of proposed well site
- Attachment #2 - Information regarding use of water at the site
- Attachment #3 - Schematic of B.O.P.
- Attachment #4 - Portion of topographic map indicating proposed well site, planned roads & pipelines, and offset wells within 1 mile-radius
- Attachment #5 - Additional drilling information furnished according to State regulations
- Attachment #6 - Typical road cross-section
- Attachment #7 - Selected Points for the On-Site Evaluation
- Attachment #8 - Well Pad Layout (Production Phase)

Attachment #9 - Evidence of Bond

I believe it may be beneficial if you knew some of the history of this well. Arcadia Refining drilled to 13000' in 1983. It was acquired by Texaco and converted into a water disposal well in Fall 1987, with the injection interval at 4545-4574' within the Morrison Formation. The well was operational for approximately 5 months.

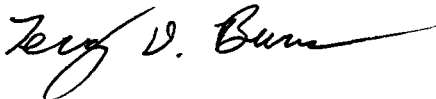
In October 1988, Texaco stimulated and production-tested a zone within the Ferron Sandstone at 2806-2814'. Since that time, the well has been shut-in.

As stated in the enclosed permit, RGC wishes to cement-squeeze the two zones mentioned above, and clean the well out down to approximately 8000'. The primary target injection zone will be Navajo Sandstone (7200-7500').

A surface land use agreement has been negotiated, and was sent to your attention on March 15.

Thank you for your assistance. Please feel free to contact me if you have questions.

Sincerely,



Terry D. Burns

Geologist

cc: Mr. Edward W. Bonner, Utah Department of Natural Resources
Mr. Eric Jones, BLM in Moab, Utah
Mr. Dean Nyffler, BLM in Price, Utah
Mr. Robert A. Hendricks, BLM in Salt Lake City, Utah
Mr. J.R. French, Texaco
Mr. R.A. Lamarre, Texaco
Mr. Gee Lake, Jr., Dominion Reserves

RIVER GAS CORPORATION

RE: Use of Water during Drilling Operations

As stated, water which we will be using is to be purchased from the Price River Water Improvement district (Tel. 801-637-6350). This has been arranged by Mr. Michael J. Farrens, Vice President of River Gas Corporation - Utah Operations. He has been in contact with Mr. Phillip Palmer. Mr. Farrens has discussed this arrangement with Mark Page of the Division of Water Rights (Tel. 801-637-1303). The Division of Water Rights is to furnish the Oil & Gas Division with a letter of approval concerning this matter.

Attachment #5

RIVER GAS CORPORATION
Additional Drilling Information

Telonis D-2

465' FSL, 560' FEL
Section 19, Township 14 South, Range 9 East

R649-3-4 Permitting of Wells to be Drilled, Deepened or Plugged Back

2.1 Telephone numbers for additional information:

Billy Stacy Operations Manager	(801)637-8876 (801-636-5660) Mobile
Steven L. Prince Regulatory Manager	(801)637-8876 Office (801)636-5256 Mobile
Fred Passarella Pumper	(801)637-8876 Office (801)636-5257 Mobile
Randy Nairemore Compressor Spvr.	(801)637-8876 Office (801)636-5259 Mobile
Michael J. Farrens Vice President	(205)759-3282 Office (205)758-8535 Home

2.2 Lease: Patented Land

2.3 This gas well is located within the Drunkards Wash Unit. The Unit
No. is UTU 67921X.

2.4 Survey Plat: See Attachment #1

2.5 Water will be purchased from Price River Water Improvement District:
See Attachment #2.

2.6 Drilling program.

2.6.1 The following geologic units will be behind pipe in the well.

<u>Formation/Unit</u>	<u>Est. Depth (ft)</u>
Upper Mancos Shale	Surface
Blue Gate Shale/Ferron Sandstone	2805
Ferron/Tununk Shale	3140
Tununk/Dakota Sandstone	3500
Dakota/Cedar Mountain	3530
Cedar Mountain/Morrison	4466
Morrison/Summerville	5000
Summerville/Curtis	5500
Curtis/Entrada	5660
Entrada/Carmel	6460
Carmel/Navajo	7190

2.62 This well will be utilized strictly for the injection of produced waters from RGC's offset coalbed methane wells. Zones that have shown to be gas and water bearing are the coals and sandstones of the Ferron Formation. The Navajo Sandstone is expected to be water-bearing also.

2.6.3 A double gate 3000 psi BOPE will be used with a rotating head. This equipment will be tested to 2100' psi or 70% of the minimum internal yield pressure. All tests will be recorded in a Driller's Report Book. Physical operation of BOP's will be checked on each trip. See Attachment #3 for Schematic.

2.6.4 Casing Program - 9 5/8" casing is already set in this well to 7380'. Plans are to set 26 lb/ft, 7" casing with 725 sacks of 50-50 Pozmix (75%) and tail in with RFC (25%).

2.6.5 Mud Program:

Depth

7380-8000 8 3/4" hole

Drill with air, will mud-up if necessary.

2.6.6 Logging Program:

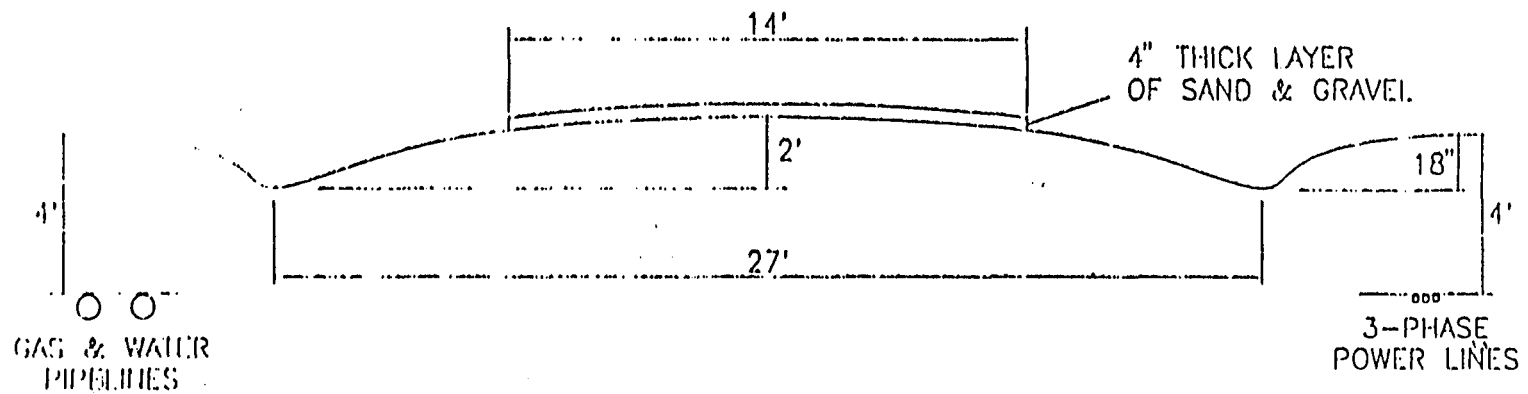
Depth

5500-8000 Gamma Ray, Neutron-Density

7400-8000 Gamma Ray, Density, Neutron-Density, Induction,
Caliper

2.6.7 We expect 4000 psi for bottom hole pressure. No hazards are expected.

RIVER GAS CORPORATION



TYPICAL ROAD CROSS-SECTION

NOT TO SCALE

ATTACHMENT #6

Attachment 7

Telonis D-2

465' FSL, 560' FEL, SEC.19, T14S, R9E

Selected Points to be Addressed in On-site Predrill Evaluation

Surface Owner: Mr. Nick Sampinos, attorney of the Telonis family
80 West Main Suite 201
Price, Utah 84501

Surface Use Plan

Current Surface Use - Grazing

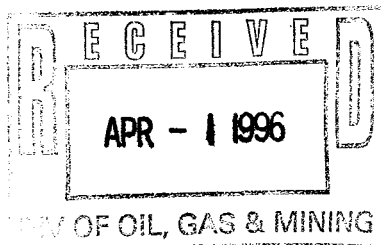
- Point #2 Location Access - From Highway 6 in Price, take Days Inn Exit. Turn right; drive past Days Inn to stop sign. Continue westward through stop sign approx. 3/4 mile to intersection. Take left, go .40 miles, and take left onto dirt road (Pinnacle Road). Go approximately 6 miles, take left. Go about 700'; site on right.
- Point #3 Wells within 1-mile radius of proposed location - See Attachment #4
- Point #4 Location of Production Facilities and Pipelines - This well will be drilled strictly for water disposal. Initially, this well will be used to dispose of water produced from a 5-well pilot project, as shown on Attachment #4. As shown on Attachment 8, the existing pad is approx. 300' X 250'. Facilities on location include a pump building, approx. 50' x 25', and two water tanks.
- Point #6 Source of Construction Material - In-place residual of Mancos Shale. Gravel will be purchased from a local contractor.
- Point #7 Waste Management Plan - All cement cuttings will be diverted to pit, as well as fluids encountered. Afterwards, the fluids will be allowed to evaporate and cuttings will be buried. Also, a portable bathroom facility will be provided during drilling operations

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL <input type="checkbox"/> DEEPEN <input checked="" type="checkbox"/> PLUG BACK <input type="checkbox"/>			3. Lease Designation and Serial No. Patented Land (Fee)	
b. Type of Well Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other Injection <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone <input checked="" type="checkbox"/>			6. If Indian, Allotted or Tribe Name N/A	
2. Name of Operator River Gas Corporation (205) 759-3282			7. Unit Agreement Name Drunkard's Wash	
5. Address of Operator 511 Energy Center Blvd. Northport, AL 35476			8. Farm or Lease Name Arcadia-Telonis	
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface 465' FSL & 560' FEL of Section 19, T14S, R9E At proposed prod. zone same			9. Well No. D-2	
14. Distance in miles and direction from nearest town or post office* 7 1/2 miles west of Price, UT			10. Field and Pool, or Wildcat Wildcat	
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. line, if any) 465'			11. QQ, Sec., T., R., N., or Blk. and Survey or Area SE/SE, S19, T14S, R9E	
16. No. of acres in lease 319.02			12. County or Parrish Carbon	
17. No. of acres assigned to this well N/A			13. State UT	
18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft. -			20. Rotary or cable tools Rotary	
21. Elevations (Show whether DF, RT, GR, etc.) 6370.7 GR			22. Approx. date work will start* As soon as possible	
23. PROPOSED CASING AND CEMENTING PROGRAM				
Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
8 3/4"	7"	26lb.	8000'	725sx

9 5/8" is set at 7,380



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. I hereby certify that this report is true and complete to the best of my knowledge.

Signed Colleen Hewitt Title Technical Assistant Date 3/14/96

(This space for Federal or State office use)

API NO. 43-007-30093

Approved by JAN Matthews

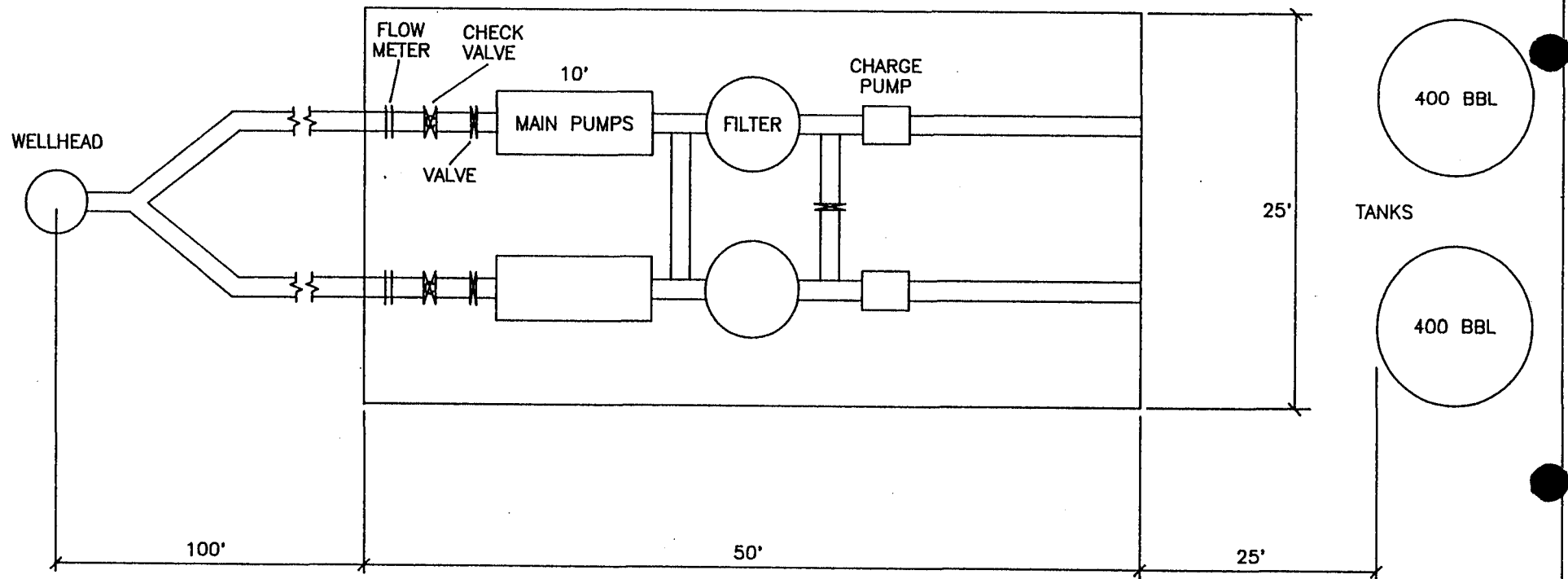
Approval Date 5/10/96
 Title Petroleum Engineer
 Date 5/10/96

Conditions of approval, if any:

*See Instructions On Reverse Side

ATTACHMENT #8

PAD SIZE APPROX. 250' X 300'



TELONIS D-2

NOT TO SCALE

AmSouth Bank

Birmingham:

TELEX: 6827189

Cable: AMSOUBKBHM

S.W.I.F.T. AMSB US 44

AMSOUTH BANK OF ALABAMA
1900 FIFTH AVENUE NORTH
BIRMINGHAM, ALABAMA 35203 USA
OUR REFERENCE NUMBER: S308586

International Services

Mobile:

TELEX: 6821116

Cable: AMSOMBL

S.W.I.F.T. AMSB US 44

AMENDMENT NUMBER: 002
TO LETTER OF CREDIT NUMBER: S308586
DATE: NOVEMBER 13, 1995

BENEFICIARY:
STATE OF UTAH
DEPT. OF NATURAL RESOURCES
DIV. OF OIL, GAS AND MINING
355 WEST TEMPLE 3 TRIAD CENTER
SUITE 350
SALT LAKE CITY, UTAH 84180-1203

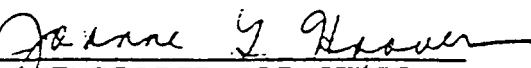
AT THE REQUEST OF RIVER GAS CORPORATION 3600 WATERMELON ROAD
SUITE 204 NORTHPORT, ALABAMA 35476 AND FOR THE ACCOUNT OF SAME

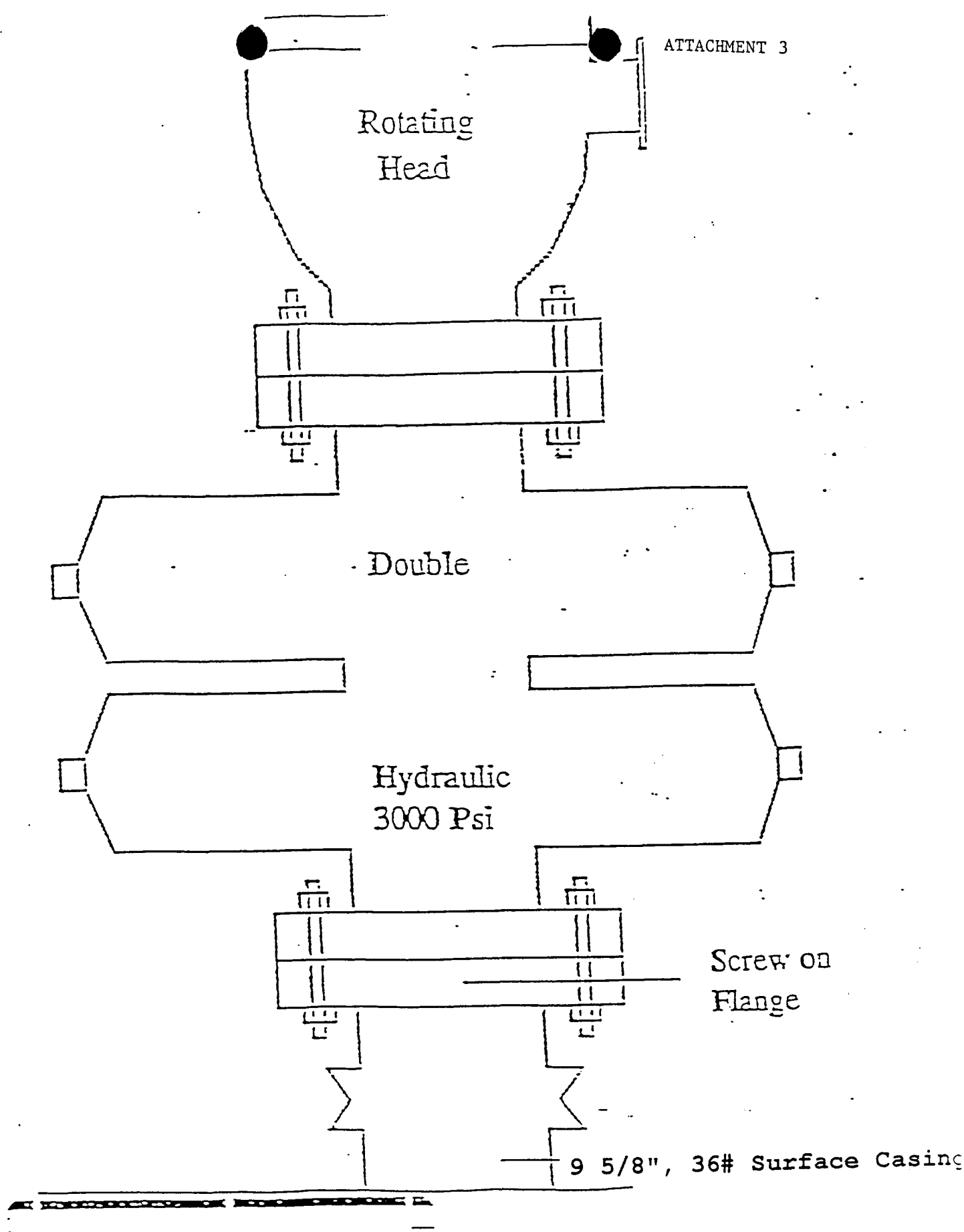
WE HEREBY AMEND OUR LETTER OF CREDIT NUMBER S308586 DATED
DECEMBER 3, 1993 OPENED IN YOUR FAVOR AS FOLLOWS:

-ACCOUNT PARTY'S ADDRESS IS CHANGED
TO: 511 ENERGY CENTER BLVD
NORTHPORT, ALABAMA 35476

**REFERENCES HEREIN TO AMSOUTH BANK N.A. SHALL BE DEEMED TO REFER
TO AMSOUTH BANK OF ALABAMA.**

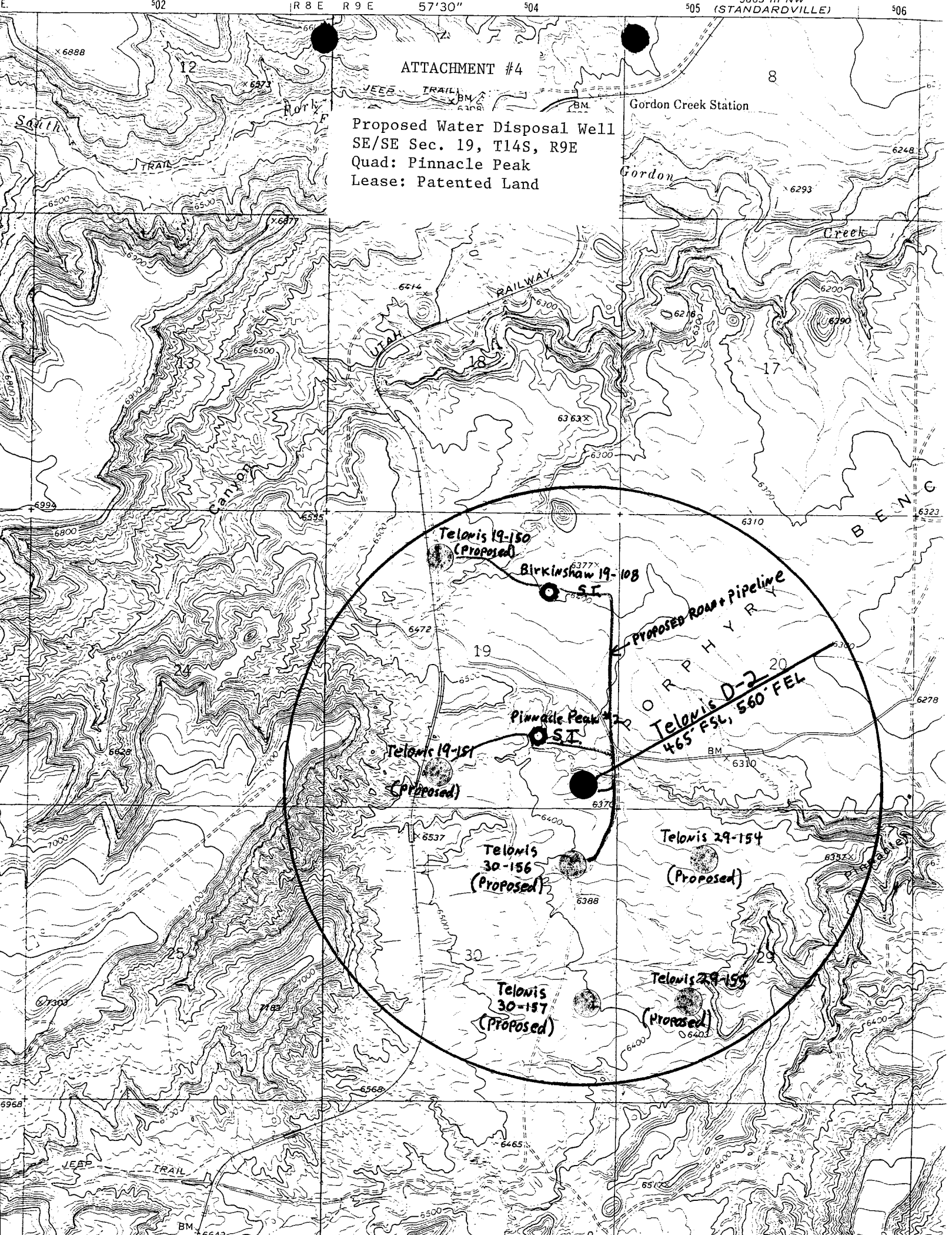
ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED.
THIS AMENDMENT BECOMES AN INTEGRAL PART OF THE ORIGINAL LETTER OF
CREDIT AND IS TO BE ATTACHED THERETO.


AUTHORIZED SIGNATURE



ATTACHMENT #4

Proposed Water Disposal Well
SE/SE Sec. 19, T14S, R9E
Quad: Pinnacle Peak
Lease: Patented Land



COPY

WHEN RECORDED RETURN TO:

William L. Kirk, Jr. - Land Department
River Gas Corporation
511 Energy Center Blvd.
Northport, AL 35476

EXHIBIT "A"

MEMORANDUM OF SURFACE LAND USE AGREEMENT

THIS MEMORANDUM OF SURFACE LAND USE AGREEMENT, dated effective the 15th day of February, 1996, is by and between **Nick Sampinos, Attorney-in-Fact for Evangelos G. Telonis a/k/a Evangelos George Telonis a/k/a Angelo G. Telonis, Thomas G. Telonis a/k/a Thomas George Telonis a/k/a Athanasios G. Telonis, John G. Telonis a/k/a John George Telonis, and Fotini Telonis** (collectively, "the Telonises") whose address is 80 West Main, Suite 201, Price, Utah 84501, (hereinafter referred to as "Grantor"), and **RIVER GAS CORPORATION**, an Alabama corporation authorized to conduct to business in the state of Utah, with an address of 511 Energy Center Blvd. Northport, Alabama 35476 (hereinafter referred to as "Grantee").

Grantor, in consideration of the covenants and agreements contained in that certain unrecorded Surface Land Use Agreement (the "Agreement") dated February 15, 1996, granted, and does hereby grant unto Grantee certain rights to enter upon and use certain lands (the "Lands") located in the County of Carbon, State of Utah, as described on **Exhibit "A"** attached hereto and made a part of this Memorandum of Surface Land Use Agreement, for the purpose of building access roads, pipelines and appurtenances thereto, power lines, and well sites for the drilling of a coalbed degasification wells on said property until such time as Grantee abandons said lands in accordance with the terms and conditions specified in said Agreement.

The Lands are subject to all of the terms and conditions of the Agreement, reference to which may be made for a complete statement of rights and obligations of Grantor and Grantee. Copies of the Agreement may be found at the above indicated addresses of the parties and are available for review during regular business hours by any party having a vested interest in the Agreement.

This Memorandum of Surface Land Use Agreement may be executed in any number of counterparts and shall be binding upon all parties executing the same or a counterpart hereof.


This Memorandum of Surface Land Use Agreement is to be placed of record to serve as notice of the execution and existence of said Agreement, and is in no way to supersede, abrogate, change or modify any of the terms, conditions, rights or obligations of any of the parties, all of which are set forth in detail in said Agreement. The terms and conditions of said Agreement are made a part hereof by reference for all purposes, to be the same effect as though written in extenso herein. All the terms, conditions and covenants of the Agreement shall be binding upon and shall inure to the benefit of the successors and assigns, respectively, of each of the parties hereto.

IN WITNESS WHEREOF, Grantor and Grantee have executed this Memorandum of Surface Land Use Agreement as of the dates of the respective acknowledgments.

Dated: 2/15/96

Grantor:

Nick Sampinos, Attorney-in-Fact for Evangelos G. Telonis a/k/a Evangelos George Telonis a/k/a Angelo G. Telonis, Thomas G. Telonis a/k/a Thomas George Telonis a/k/a Athanasios G. Telonis, John G. Telonis a/k/a John George Telonis, and Fotini Telonis (collectively, "the Telonises")

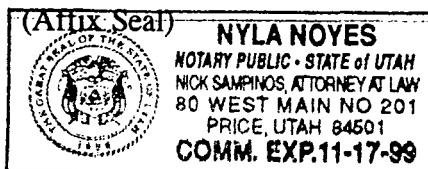

Nick Sampinos

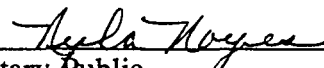
STATE OF UTAH

COUNTY OF CARBON

I, the undersigned authority, a Notary Public in and for said County, in said State, hereby certify that Nick Sampinos, Attorney-in-Fact for Evangelos G. Telonis a/k/a Evangelos George Telonis a/k/a Angelo G. Telonis, Thomas G. Telonis a/k/a Thomas George Telonis a/k/a Athanasios G. Telonis, John G. Telonis a/k/a John George Telonis, and Fotini Telonis (collectively, "the Telonises") to me personally known to be the identical person who executed the within and foregoing instrument and acknowledged to me that he duly executed the same as his free and voluntary act and deed for and on behalf of "the Telonises" in his capacity as Attorney-in Fact for the uses and purposes therein set forth.

Given under my hand and seal, this 15 day of February, 1996.




Notary Public
Residing at:
Price, Utah

My Commission Expires: 11-17-99

Dated: February 21, 1996

Grantee:

RIVER GAS CORPORATION

By: Joseph L. Stephenson
Joseph L. Stephenson
Its Vice President - Land

STATE OF ALABAMA

COUNTY OF TUSCALOOSA

I, the undersigned authority, a Notary Public in and for said County in said State, hereby certify that Joseph L. Stephenson, whose name as Vice President - Land of River Gas Corporation, is signed to the foregoing instrument, and who is known to me, acknowledged before me on this day that, being informed of the contents of the instrument, he, as such officer and with full authority, executed the same voluntarily for and as the act of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my notarial seal this the 21 day of February, 1996.

(Affix Seal)

Dana Campbell
Notary Public
Residing at:
1429 20th Ave. East
Tuscaloosa, AL 35404

My Commission Expires: 3-8-98

EXHIBIT "A"
SURFACE OWNERSHIP OF TELONISES.
Page 1 of 3

Attached to and made a part of that certain Memorandum of Surface Land Use Agreement effective the 15th day of February, 1996 by and between Nick Sampinos, Attorney-in-Fact for Evangelos G. Telonis a/k/a Evangelos George Telonis a/k/a Angelo G. Telonis, Thomas G. Telonis a/k/a Thomas George Telonis a/k/a Athanasios G. Telonis, John G. Telonis a/k/a John George Telonis, and Fotini Telonis (collectively, "the Telonises") as Grantors and River Gas Corporation as Grantee.

Carbon County, Utah

- 1-A. A well location approximately two hundred foot (200') by two hundred fifty foot (250') (1.15 acres) in the SW/4 of SW/4, Section 15, T14s-R9e, SLM. (RGC/Telonis 15-142).
- 1-B. A well location approximately two hundred foot (200') by two hundred fifty foot (250') (1.15 acres) in the SW/4, Section 16, T14s-R9e, SLM. (RGC/Telonis 16-145).
- 1-C. An existing well location approximately two hundred foot (200') by two hundred fifty foot (250') (1.15 acres) in the center of the SE/4, Section 19, T14s-R9e, SLM. (Texaco-RGC/Pinnacle Peak #2).
- 1-D. An existing well location approximately two hundred foot (200') by two hundred fifty foot (250') (1.15 acres) in the SE/4 of SE/4, Section 19, T14s-R9e, SLM. (Texaco-RGC/Arcadia-Telonis Disposal Well).^{*}
- 1-E. A well location approximately two hundred foot (200') by two hundred fifty foot (250') (1.15 acres) in the NE/4 of NW/4, Section 19, T14s-R9e, SLM. (RGC/Telonis 19-150).
- 1-F. A well location approximately two hundred foot (200') by two hundred fifty foot (250') (1.15 acres) in the SE/4 of SW/4, Section 19, T14s-R9e, SLM. (RGC/Telonis 19-151).
- 1-G. A well location approximately two hundred foot (200') by two hundred fifty foot (250') (1.15 acres) in the NE/4, Section 20, T14s-R9e, SLM. (RGC/Telonis 20-152).
- 1-H. An existing well location approximately two hundred foot (200') by two hundred fifty foot (250') (1.15 acres) in the NE/4 of SE/4, Section 20, T14s-R9e, SLM. (Texaco-RGC/E. G. Telonis #1).
- 1-I. A well location approximately two hundred foot (200') by two hundred fifty foot (250') (1.15 acres) in the NE/4 of NE/4, Section 21, T14s-R9e, SLM. (RGC/Telonis 21-90).
- 1-J. A well location approximately two hundred foot (200') by two hundred fifty foot (250') (1.15 acres) in the NE/4 of NW/4, Section 21, T14s-R9e, SLM. (RGC/Telonis 21-153).
- 1-K. A well location approximately two hundred foot (200') by two hundred fifty foot (250') (1.15 acres) in the NE/4 of NW/4 Section 29, T14s-R9e, SLM. (RGC/Telonis 29-154).
- 1-L. A well location approximately two hundred foot (200') by two hundred fifty foot (250') (1.15 acres) in the NW/4 of SW/4, Section 29, T14s-R9e, SLM. (RGC/Telonis 29-155).

Exhibit "A"
Page 2 of 3

1-M. A well location approximately two hundred foot (200') by two hundred fifty foot (250') (1.15 acres) in the NE/4 of NE/4, Section 30, T14s-R9e, SLM. (RGC/Telonis 30-156).

1-N. A well location approximately two hundred foot (200') by two hundred fifty foot (250') (1.15 acres) in the NE/4 of SE/4, Section 30, T14s-R9e, SLM. (RGC/Telonis 30-157).

1-O. A road/pipeline/powerline right-of-way forty foot (40') wide by one thousand foot (1000') long (61 rods) (0.92 acre), more or less, in the SW/4 of SW/4, Section 15, T14s-R9e, SLM, which is needed for access to the RGC/Telonis 14-142 Well (Well location 1-A).

1-P. A road/pipeline/powerline right-of-way forty foot (40') wide by nine thousand two hundred forty foot (9,240') long (560 rods) (8.50 acres), more or less, running through the southern portion of the SW/4 of SW/4 Section 15, T14s-R9e, SLM (appx 1320'), also running along the north section line of the entirety of Section 21, T14s-R9e, SLM (appx 5,280') and running along the north section line of the NE/4 of Section 20-T14s-R9e, SLM (appx 2,640') which is needed for access to various wells in the Porphyry Bench area.

1-Q. A road/pipeline/powerline right-of-way forty foot (40') wide by two thousand nine hundred seventy five foot (2,975') long (181 rods) (2.73 acres), more or less, running through the W/2 of SW/4 Section 16, T14s-R9e, SLM, which is needed for access to various wells in the Porphyry Bench area.

1-R. A road/pipeline/powerline right-of-way forty foot (40') wide by one thousand foot (1,000') long (61 rods) (.92 acres) more or less, located in the W/2 of SW/4 Section 16, T14s-R9e, SLM, which is needed for access to the RGC/Telonis 16-145 Well (Well location 1-B).

1-S. A road/pipeline/powerline right-of-way forty foot (40') wide by one thousand three hundred twenty foot (1,320') long (80 rods) (1.21 acres) more or less, located in the N/2 of NE/4 Section 21, T14s-R9e, SLM, which is needed for access to the RGC/Telonis 21-90 Well (Well location 1-I).

1-T. A road/pipeline/powerline right-of-way forty foot (40') wide by one thousand foot (1,000') long (61 rods) (.92 acres) more or less, located in the N/2 of NW/4 Section 21, T14s-R9e, SLM, which is needed for access to the RGC/Telonis 21-153 Well (Well location 1-J).

1-U. A road/pipeline/powerline right-of-way forty foot (40') wide by one thousand three hundred twenty foot (1,320') long (80 rods) (1.21 acres) more or less, located in the W/2 of NE/4 Section 20, T14s-R9e, SLM, which is needed for access to the RGC/Telonis 20-152 Well (Well location 1-G).

1-V. A pipeline/powerline only right-of-way thirty foot (30') wide by three thousand six hundred thirty feet (3,630') long (220 rods) (2.50 acres) more or less, running along the eastern most portion of Section 20, T14s-R9e, SLM, which is needed for infrastructure connection to the Texaco-RGC/E. G. Telonis #1 Well (Well location 1-H).

1-W. A pipeline/powerline only right-of-way thirty foot (30') wide by four thousand three hundred foot (4,300') long (261 rods) (2.96 acres) more or less, running through the SE/4 of Section 20, T14s-R9e, SLM and running through the N/2 of NW/4 of Section 29, T14s-R9e, SLM, which is needed for infrastructure connection for the Texaco-RGC/E. G. Telonis #1 Well (Well location 1-H) and the RGC/Telonis 29-154 Well (Well location 1-K).

Exhibit "A"

Page 3 of 3

1-X. A pipeline/powerline only right-of-way thirty foot (30') wide by four thousand three hundred foot (4,300') long (261 rods) (2.96 acres) more or less, running along an existing county road through the E/2 of NE/4 and the N/2 of SE/4 Section 30, T14s-R9e, SLM, which is needed for infrastructure connection for various wells in the Porphyry Bench area.

1-Y. A road/pipeline/powerline right-of-way forty foot (40') wide by two thousand six hundred forty foot (2,640') long (160 rods) (2.43 acres) more or less, running along the eastern most portion of the SE/4 Section 19, T14s-R9e, SLM, which is needed for infrastructure connection for various wells in the Porphyry Bench area.

1-Z. A road/pipeline/powerline right-of-way forty foot (40') wide by two thousand six hundred forty foot (2,640') long (160 rods) (2.43 acres) more or less, running through the NE/4 of SE/4 Section 30, T14s-R9e, SLM and through the NW/4 of SW/4 Section 29, T14s-R9e, SLM, which is needed for access to the RGC/Telonis 30-157 Well (Well location 1-N) and the RGC/Telonis 29-155 Well (Well location 1-L).

1-AA. A road/pipeline/powerline right-of-way forty foot (40') wide by two thousand six hundred forty foot (2,640') long (160 rods) (2.43 acres) more or less, running through the NE/4 of NE/4 Section 30, T14s-R9e, SLM and through the N/2 of NW/4 Section 29, T14s-R9e, SLM which is needed for access to the RGC/Telonis 30-156 Well (Well location 1-M) and the RGC/Telonis 29-154 Well (Well location 1-K).

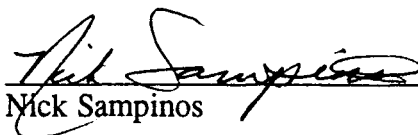
1-BB. A road/pipeline/powerline right-of-way forty foot (40') wide by three thousand five hundred foot (3,500') long (212 rods) (3.22 acres) more or less, running through the SE/4 of SW/4 and the S/2 of SE/4 Section 19, T14s-R9e, SLM, which is needed for access to the RGC/Telonis 19-151 Well (Well location 1-F) and the Texaco-RGC/Pinnacle Peak #2 Well (Well location 1-C).

1-CC. A road/pipeline/powerline right-of-way forty foot (40') wide by six hundred sixty foot (660') long (40 rods) (.60 acres) more or less, located in the SE/4 of SE/4 Section 19, T14s-R9e, SLM, which is needed for access to the Texaco-RGC/Arcadia-Telonis Disposal Well (Well location 1-D).

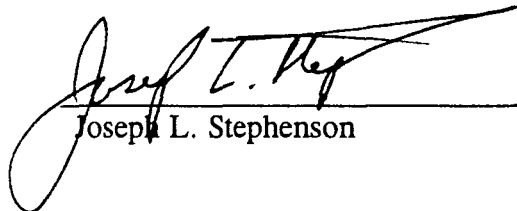
1-DD. A road/pipeline/powerline right-of way forty foot (40') wide by five hundred foot (500') long (31 rods) (.46 acres) more or less, located in the NE/4 of NW/4 Section 19, T14s-R9e, SLM which is needed for access to the RGC/Telonis 19-150 Well (Well location 1-E).

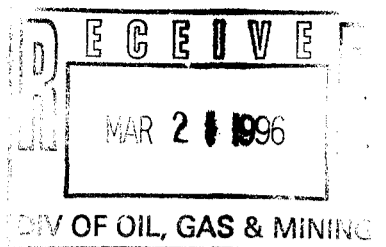
1-EE. A road/pipeline/powerline right of way forty foot (40') wide by two hundred seventy five foot (275') long (16.67 rods) (.25 acres) more or less, located in the NE/4 of NE/4 Section 30, T14s-R9e, SLM, which is needed fot access to the RRC/Telonis 30-156 Well (Well location 1-M).

Signed for Identification


Nick Sampinos

Signed for Identification


Joseph L. Stephenson



STATE OF ALABAMA)
) : ss.
COUNTY OF TUSCALOOSA)

**AFFIDAVIT CONCERNING SURFACE OWNER
CONSENT REGARDING WELL SITE CONSTRUCTION**

JOSEPH L. STEPHENSON, being first duly sworn upon his oath,
deposes and states:

1. I am Vice President - Land of River Gas Corporation ("RGC"), an Alabama corporation duly authorized to transact business in the State of Utah, and am authorized to execute this Affidavit on behalf of said corporation.

2. As Vice President - Land, I am responsible for supervision of lease records and reviewing title records and legal opinions affecting lands where RGC proposes to conduct operations, and obtaining surface land use agreements associated with the development of leased mineral rights.

3. RGC proposes to conduct injection testing on a well named the Texaco-RGC/Arcadia-Telonis Disposal Well located in the SE1/4 of SE1/4 of Section 19, T14S, R9E, Carbon County, Utah, the MAJORITY OF THE surface and mineral of said lands being managed by **NICK SAMPINOS**, Attorney-in-Fact for the owners, **Evangelos G. Telonis a/k/a Evangelos George Telonis and Angelo G. Telonis, Thomas G. Telonis a/k/a Thomas George Telonis and Athanasios G. Telonis, John G. Telonis a/k/a John George Telonis, and Fotini Telonis** (said ownership being the site of the existing well), with Carbon County, a political subdivision of the State of Utah, owning a minority of the surface and mineral in said tract (the ownership of Carbon County not to be affected by surface operations), (hereafter called "fee owners").

4. RGC, Texaco Exploration and Production Inc., and Dominion Reserves-Utah, Inc. are the owners of 100% of the working interests of leases obtained from the fee owners described above regarding 100% ownership of said tract.

5. As evidenced by copy of MEMORANDUM OF SURFACE LAND USE AGREEMENT dated February 15, 1996 attached hereto as Exhibit "A", and by this reference incorporated herein, the above described fee owners of the Texaco-RGC/Arcadia-Telonis Disposal Well well site agreed to certain surface use as described therein.

6. The matters stated herein are true of my own knowledge, except to any matters stated herein upon information and belief, and, as to those matters, I believe them to be true.

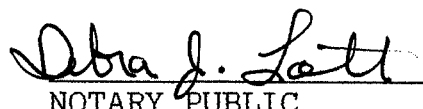
DATED this 8th day of February, 1996.


JOSEPH L. STEPHENSON

Subscribed, sworn and acknowledged to and by Joseph L. Stephenson before me this 8th day of February, 1996.

(SEAL)

My Commission Expires: 4/9/97


NOTARY PUBLIC
Residing at:
1510 Upper Lake Drive
Cottondale, AL 35453



State of Utah
Division of Oil, Gas & Mining (OGM)

**ON-SITE PREDRILL EVALUATION AND REVIEW
FOR
APPLICATION FOR PERMIT TO DRILL (APD)**

OPERATOR:

River Gas Corporation

WELL NO:

Arcadia-Telonis #1 (Re-entry)

LEASE NO:

Fee

API No:

43-007-30093

LEASE TYPE:

State ☐

Fee ☒

PROPOSED LOCATION

$\frac{1}{4}/\frac{1}{4}$:

SE SE

SECTION:

19

TOWNSHIP:

14 S

RANGE:

9 E

COUNTY:

Carbon

FIELD:

Drunkards Wash (048)

SURFACE:

465 FSL 560 FEL

BOTTOM HOLE:

Same as the surface location

GPS COORDINATES:

504379 E 4381764 N

SURFACE OWNER:

Private (Telonis) the operator indicated that an agreement is in place

SURFACE AGREEMENT:

Yes ☒

No ☐

CONFIDENTIAL:

Yes ☒

No ☐

LOCATING AND SITING:

☐

UAC R649-2-3.

Unit

☒

UAC R649-3-2. General

☐

UAC R649-3-3. Exception

☐

UCA 40-6-6. Drilling Unit

--

Cause No.

DRILLING PROGRAM:

The following information is included in the Application for Permit to Drill submitted.

1. Surface Formation and Estimated Tops/Geologic Markers
2. Estimated Depths and Names of Anticipated Water, Oil, Gas or other Mineral Bearing Formations

(All fresh water sands encountered during drilling shall be recorded and reported to the Division on Form 7.)
3. Well Control Equipment & Testing Procedures
4. Proposed Casing and Cementing Program
5. Mud Program, Circulating Medium, and Monitoring equipment
6. Coring, Testing, and Logging Program
7. Expected Bottom Hole Pressures and any anticipated Abnormal Pressures, Temperatures or Potential Hazards such as hydrogen sulfide, expectations and contingency plans for mitigating identified hazards
8. Any other information relative to the proposed operation.

Onsite Participants:

Nelco
Larry Jensen Naylor Construction, Steve Prince River Gas, Bill Bates Division of
Wildlife, Jimmie Thompson & Mike Hebertson Division of Oil, Gas & Mining

Regional Setting/Topography:.

This area is dominated by high tree covered mesas, vertical sandstone cliffs, steep
talus slopes and broad rolling valleys which are incised by washes and drainages.
The major geologic formations involved are the Castlegate Sandstone, and the Mancos
Shale. On the west the Wasatch mountains rise to above 9,000' and on the southeast
the north flank of the San Rafael Swell dominates the landscape.

SURFACE USE PLAN:

Current Surface Use:. This area is currently used as grazing lands for livestock
and wildlife on a very limited basis.

Proposed Surface Disturbance:. The location and the access road will not exceed a
total disturbed area of 2 acres.

1. Existing Roads. The major roads to this site are Carbon County roads and
established roads which access Pinnacle Peak Canyon.
2. Planned Access Roads - include length of new road, length of existing road to
be upgraded, maximum disturbed and travel surface widths, maximum grades,
turnouts, surface materials, drainage, cattleguards. No new roads will be
required.
3. Location of existing wells within one-mile radius of proposed location,
include water, injection, producing, drilling with present status of each well
See the map attached to the APD showing this information.
4. Location of Production Facilities and Pipelines. This location is to be an
Injection facility and will serve all the wells in the surrounding area.
5. Location and Type of Water Supply (include Division of Water Rights approval
or identifying number). Water will be purchased from the City of Price.
6. Source of Construction Material. Borrowed from the location at the time of
construction.
7. Waste Management Plan. The waste management plan filed with the APD is
sufficient for this location.
8. Ancillary Facilities. None are required.

9. Well Site Layout. See the plat included as part of the APD.
10. Surface Restoration Plans. The surface will be restored according to the accepted practices at the time of abandonment, and will be as near to original grade as possible.

ENVIRONMENTAL PARAMETERS:

Affected Floodplain and/or Wetlands:

A 404 dredge and fill permit may be required if this site is in or adjacent to a wetland or other established drainage or floodplain. (Contact the Army Corps of Engineers if there are concerns of this nature). See the attached letter from the State Engineer. Not required for this location

Flora/Fauna:

Briefly describe the flora found on the proposed site and the fauna evidenced or sighted on or near the proposed location. Pinion/Juniper, shadscale, cheat grass Sage & Rabbit brush, deer, elk, coyote, raptors.

SURFACE GEOLOGY

Soil Type and Characteristics: Sandy clay, light tan to buff in color fine grained

Surface Formation & Characteristics: Mancos shale, weathers to a light tan to buff Soil with high clay content, sand is intermixed from the overlying Castlegate sand.

Erosion/Sedimentation/Stability: an dry drainage to the North of this location will need to be protected. No major problems are present.

Paleontological Potential Observed: None

RESERVE PIT

Characteristics: 50' X 50' X 6'

Lining (Site ranking form attached): A liner will be required for this pit.

OTHER OBSERVATIONS

Cultural Resources/Archaeology (if proposed location is on State land, has an archaeology clearance been obtained?): None will be required.

Comments: It was requested that River Gas supply the division a plat of the proposed facilities for production, and a well site layout of the drilling rig and pit placement. Hand sketches of these proposed layouts were made at the onsite. This site is being proposed as an injection site with a large pond about 150' X 150' X 10'. This pond will be lined with 14 mil liner, a leak detection system for monitoring purposes, and fenced in order to keep the wildlife out of the pond. It should be noted that Mr. Bates, representing Division of Wildlife, stated that due to operations being conducted during the winter months 3000 acres of critical deer and Elk winter range were lost in the 1995-96 season. He sited drilling operations as the prime factor for the lost range.

Jimmie Thompson & Mike Hebertson

OGM Representative

9-Arp-1996 1:00 PM

Date and Time

STATEMENTS OF BASIS

OGM Review of Application for Permit to Drill (APD)

Company: River Gas Corporation

Well Name: Arcadia-Telonis #1

GEOLOGY/GROUND WATER:

This is a reentry and deepening of an existing well. A 13 3/8" surface casing was set at 1702 feet and cemented to surface. A 9 5/8" casing was set at 7380 feet and cemented in two stages to surface. A new 7" casing will be set at 7800 feet and cemented with 725 sacks of cement. Water with quality less than 10,000 mg/L may be present in the Ferron sands and down through the Entrada Formation. Highly saline water is expected to be encountered in the Carmel and Navajo Formation. The existing casing and cement program in combination with the proposed casing will adequately isolate any water zones.

Signature: D.Jarvis

Date: 5/9/96

SURFACE:

This location was inspected according to Division policy. The site is an existing facility where more drilling will be done and new equipment installed. No new surface disturbance will be required, and the location conforms to the currently existing regulations for this activity.

Signature: K. Michael Hebertson

Date: 10-Apr-1996

STIPULATIONS for APD Approval:

1. The injection pond will be fenced, lined with a 14 mil liner, and a leak detection system installed. *Not applicable to re-entry operations.*
2. The location will be bermed around the outside edge.
3. No construction will be allowed during any year from Dec. 1 thru Apr. 15
4. The drilling pit will be lined with a 12 mil liner.

ATTACHMENTS:

1. Photos were taken of this site and will be placed on file.

**Evaluation Ranking Criteria and Ranking Score
For Reserve and Onsite Pit Liner Requirements**

Site-Specific Factors	Ranking Score	Final Ranking Score
Distance to Groundwater (feet) >200 100 to 200 75 to 100 25 to 75 <25 or recharge area	0 5 10 15 20	0
Distance to Surf. Water (feet) >1000 300 to 1000 200 to 300 100 to 200 < 100	0 2 10 15 20	20
Distance to Nearest Municipal Well (feet) >5280 1320 to 5280 500 to 1320 <500	0 5 10 20	0
Distance to Other Wells (feet) >1320 300 to 1320 <300	0 10 20	0
Native Soil Type Low permeability Mod. permeability High permeability	0 10 20	5

Fluid Type Air/mist Fresh Water TDS >5000 and <10000 TDS >10000 or Oil Base Mud Fluid containing significant levels of hazardous constituents	0 5 10 15 20	0
Drill Cuttings Normal Rock Salt or detrimental	0 10	0
Annual Precipitation (inches) <10 10 to 20 >20	0 5 10	2
Affected Populations <10 10 to 30 30 to 50 >50	0 6 8 10	0
Presence of Nearby Utility Conduits Not Present Unknown Present	0 10 15	0

Final Score	27
--------------------	-----------

The summation of all of the above ranking scores will yield one value which shall be used to determine the appropriate type of containment, on a case-by-case basis. The sensitivity levels are as follows:

Level I Sensitivity: For scores totaling ≥ 20
Level II Sensitivity: For scores totaling 15 to 19
Level III Sensitivity: For scores totaling < 15

Containment Requirements According to Sensitivity Level

Level I: Requires total containment by synthetic liner, concrete structure or other type of total containment structure or material.

Level II: Bentonite or other compatible lining is discretionary depending on the fluid to be contained and environmental sensitivity.

Level III: No specific lining requirements.

OTHER GUIDELINES FOR PITS

1. Unlined pits shall not be constructed on areas of fill materials.
2. A pit shall not be constructed in a drainages or floodplain of flowing or intermittent streams.
3. Synthetic liners used for lining reserve pits, shall be of 12 mil thickness or greater and shall be compatible with the fluid to be contained. Synthetic liners used for lining onsite pits with a longer expected life shall be a minimum of 30 mil thickness or as approved by the Division.
4. Synthetic liners shall be installed over smooth fill material which is free of pockets, loose rocks or other materials which could damage the liner.
5. Monitoring systems for pits or closed mud systems may be required for drilling in sensitive areas.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Type of Work DRILL <input type="checkbox"/> DEEPEN <input checked="" type="checkbox"/> PLUG BACK <input type="checkbox"/>			3. Lease Designation and Serial No. Patented Land (Fee)	
Type of Well Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other Injection <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone <input checked="" type="checkbox"/>			6. If Indian, Allocated or Tribe Name N/A	
Name of Operator River Gas Corporation (205) 759-3282			7. Unit Agreement Name Drunkard's Wash	
Address of Operator 511 Energy Center Blvd. Northport, AL 35476			8. Farm or Lease Name Arcadia-Telonis	
Location of Well (Report location clearly and in accordance with any State requirements.) At surface 465' FSL & 560' FEL of Section 19, T14S, R9E			9. Well No. D-2	
At proposed prod. zone same			10. Field and Pool, or Wildcat Wildcat	
Distance in miles and direction from nearest town or post office* 7 1/2 miles west of Price, UT			11. 00, Sec., T., R., N., or S14. and Survey or Area SE/SE, S19, T14S, R9E	
Distance from proposed location to nearest property or lease line, ft. (Also to nearest drlg. line, if any) 465'			12. County or Parish Carbon	
Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft. -			13. State UT	
Elevations (Show whether DF, ET, GR, etc.) 6370.7 GR			14. No. of acres in lease 319.02	
			15. No. of acres assigned to this well N/A	
			16. Rotary or cable tools Rotary	
			17. Approx. date work will start* As soon as possible	

PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
8 3/4"	7"	26lb.	8000'	725sx

9 5/8" is set at 7,380

ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout prevention program, if any.

I hereby certify that this report is true and complete to the best of my knowledge.

Signed Colleen Hewitt Title Technical Assistant Date 3/14/96

(This space for Federal or State office use)

Approved by [Signature] Title Branch of Fluid Minerals Date APR 5 1996

Conditions of approval, if any:

ACCEPT for unit purposes: ecj 4/2/96

*See Instructions On Reverse Side

R A N G E 9 E A S T

TOWNSHIP 14 SOUTH

19

ARCADIA REFINING
"TELONIS No. 1"
SET A 1/2" x 24" REBAR
WITH A 2" x 2" x 6" MAST
ELEVATION - 6370.7

S 89° 54' E - 2653.58'
(BASIS OF BEARING)

N 0° 01' E - 5250.1' RECORDED
N 0° 02' 01" E - 5275.01' MEASURED

N 89° 54' W - 559.98'

N 0° 02' 01" E - 465.44'



RIVER GAS CORPORATION

UTAH OPERATIONS

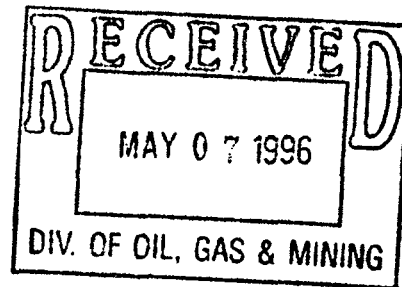
1305 South 100 East

Price, Utah 84501

Bus. (801) 637-8876

FAX (801) 637-8924

May 1, 1996



Mike Hebertson
Division of Oil Gas & Mining
State of Utah
3 Triad Center, Suite 350
Salt Lake City, UT 84108

Dear Mike:

Attached are copies of the new location and site layout plats for the Telonis 30-156, which was relocated per request by DWR officer Bill Bates. The relocation was approved the day after the presites (and reconfirmed on 4/30/96) by Nick Sampinos, who represents the Telonis family. In addition, I am including a site layout plat for the D2 (Arcadia Telonis) well. Also included are maps showing the access routes for the Telonis wells we inspected at the presites.

Thank you for the time you take to process our APDs in a timely manner. Please contact me if you have any questions concerning the attached plats.

Sincerely,

A handwritten signature in cursive script that reads "Steven L. Prince".

Steven L. Prince
Utah Regulatory Manager

cc: Billy Stacy
File

Attachments

RANGE 9 EAST

TOWNSHIP 14 SOUTH

19

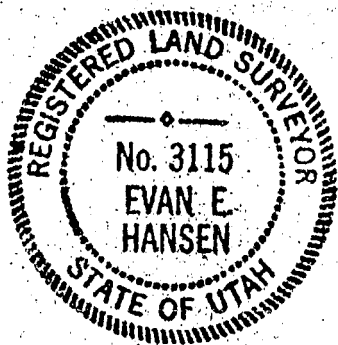
ARCADIA REFINING
"TELONIS No. 1"
SET A 1/2" x 24" REBAR
WITH A 2" x 2" x 6" MAST
ELEVATION - 6370.7

S 89°54'E - 2653.58'
(BASIS OF BEARING)

N 0°02'01"E - 465.44'

N 0°01'E - 5280' RECORDED
N 0°02'01"E - 5275.01' MEASURED

N 89°54'W - 559.98'

Basis Of Bearing

Basis of Bearing is S 89°54'E, Between The South 1/4 Corner And The Southeast Corner Of Section 19, T14S, R9E, S.L.B.M. Taken From G.L.O. Plat Dated May 13, 1912.

Legend

- ◇ Found Brass Cap Section Corner
- Found Brass Cap One Quarter Corner

Surveyors Certificate

I, EVAN E. HANSEN, Do Hereby Certify That I Am A Registered Land Surveyor Holding Certificate No. 3115 As Prescribed Under The Laws Of The State Of Utah. I Further Certify That I Have Made A Survey Of The Tract Of Land Shown On This Plat And That It Is True And Correct To The Best Of My Knowledge.

Evan E. Hansen

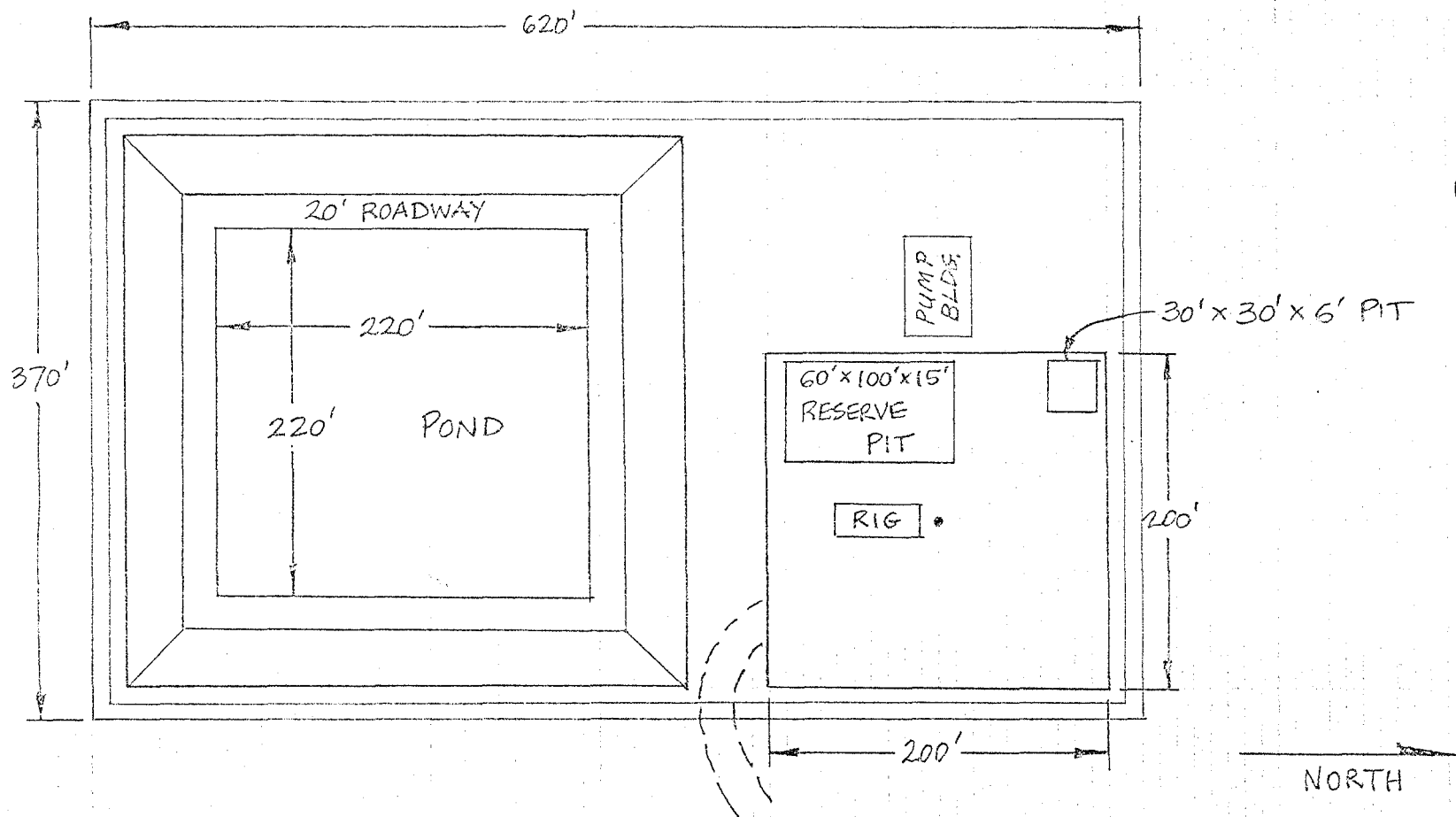
8/2/83
Date

Empire Engineering

86 North 200 East Price, Utah 84501

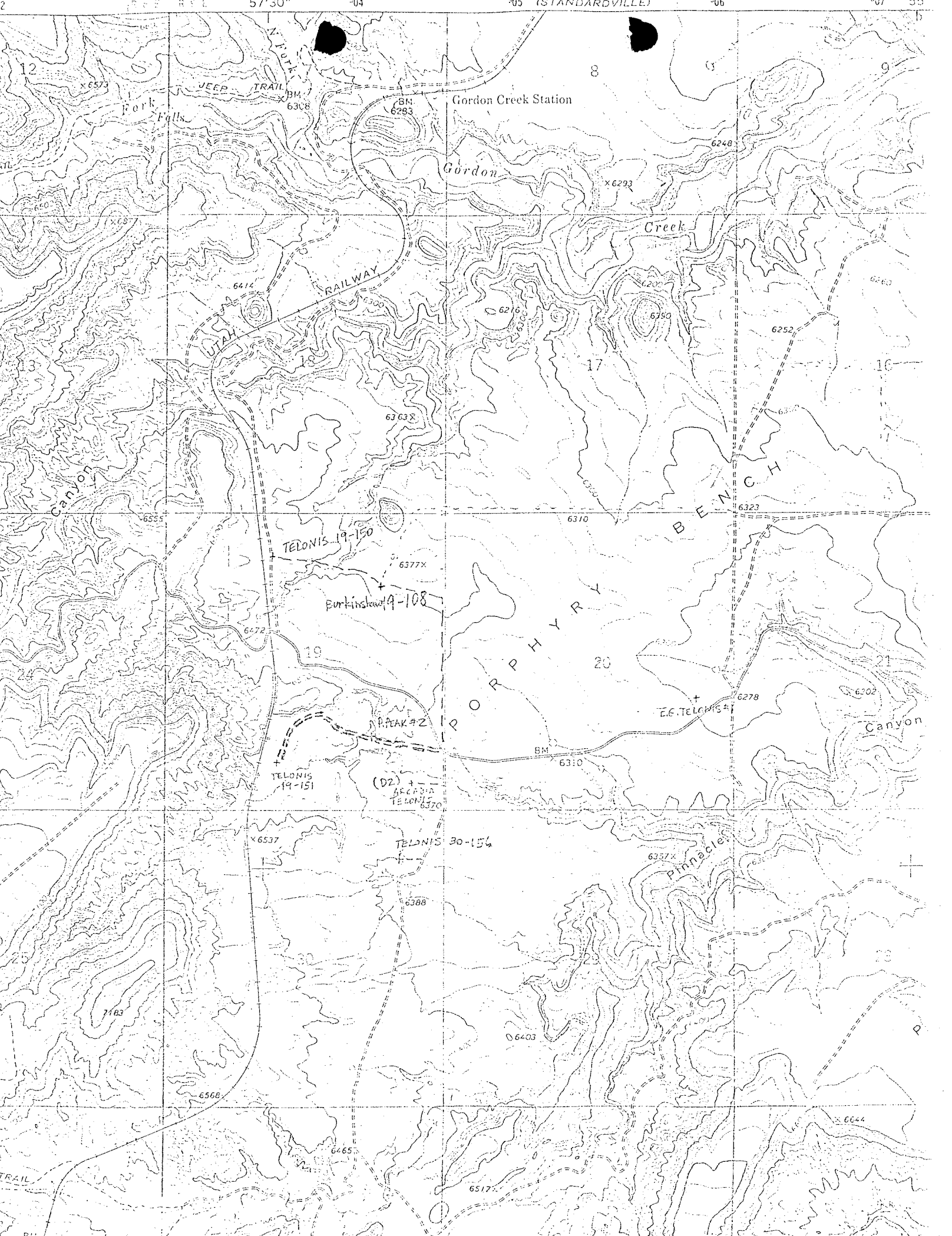
ARCADIA REFINING TELONIS No. 1

DRAWN BY: B.L.P.	APPROVED BY:	DRAWING NO. EE00-047 B
DATE 8-2-83	SCALE: 1" = 1000'	



SITE LAYOUT
 D2 WELL (ARCADIA TELONIS)
 NW/4, SW/4, SEC. 18, T15S, R10E

RIVER GAS CORP.
 DATE: 5-1-96
 APPROX. SCALE: 1" = 100'



STATE OF UTAH, DIV OF OIL, GAS & MINERALS

Operator: RIVER GAS CORPORATION	Well Name: ARCADIA-TELONIS 1
Project ID: 43-007-30093	Location: SEC. 19 - T14S - R09E

Design Parameters:

Mud weight (10.00 ppg) : 0.519 psi/ft
 Shut in surface pressure : 2747 psi
 Internal gradient (burst) : 0.167 psi/ft
 Annular gradient (burst) : 0.000 psi/ft
 Tensile load is determined using air weight
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125
 Burst : 1.00
 8 Round : 1.80 (J)
 Buttress : 1.60 (J)
 Other : 1.50 (J)
 Body Yield : 1.50 (B)

*** WARNING *** Design factor for collapse exceeded in design!

Length (feet)		Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost
1	7,800	7.000	23.00	N-80	LT&C	7,800	6.250	
	Collapse Load Strgth S.F. (psi) (psi)			Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load Strgth S.F. (kips) (kips)	
1	4052	3830	0.945	4052	6340	1.56	179.40	442 2.46 J

Prepared by : MATTHEWS, Salt Lake City, Utah
 Date : 05-10-1996
 Remarks :

Minimum segment length for the 7,800 foot well is 1,500 feet.

SICP is based on the ideal gas law, a gas gravity of 0.69, and a mean gas temperature of 100°F (Surface 74°F , BHT 183°F & temp. gradient 1.400°/100 ft.)

String type: Production

The mud gradient and bottom hole pressures (for burst) are 0.519 psi/ft and 4,052 psi, respectively.

NOTE: The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - collapse (with evacuated casing), 1.0 - (uniaxial) burst, 1.8 - API 8rd tension, 1.6 - buttress tension, 1.5 - body yield tension, and 1.6 - EUE 8rd tension. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser.
 Costs for this design are based on a 1987 pricing model. (Version 1.07)



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

May 10, 1996

River Gas Corporation
511 Energy Center Blvd.
Northport, Alabama 35476

Re: Arcadia-Telonis #1 (Reentry) Well, 465' FSL, 560' FEL,
SE SE, Sec. 19, T. 14 S., R. 9 E., Carbon County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to re-enter the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-007-30093.

Sincerely,

R. J. Firth
Associate Director

lwp

Enclosures

cc: Carbon County Assessor

Bureau of Land Management, Moab District Office

WAPD



Operator: River Gas Corporation
Well Name & Number: Arcadia-Telonis #1 (Reentry)
API Number: 43-007-30093
Lease: FEE
Location: SE SE Sec. 19 T. 14 S. R. 9 E.

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5340.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Frank Matthews or Mike Hebertson at (801)538-5340.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Mitigation Requirements

A berm should be constructed around the exterior boundary of the location.

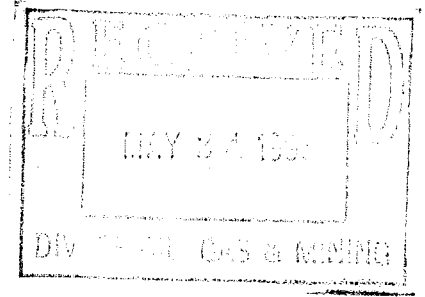
The reserve pit should be lined with an impervious synthetic liner of 12 mil minimum thickness.

No construction activity at the location should occur at any time during the period from December 1 thru April 15.



RIVER GAS CORPORATION

511 Energy Center Blvd.
Northport, Alabama 35476
Phone (205) 759-3282
Fax (205) 759-3188 (Accounting)
Fax (205) 758-5309 (Corporate)



May 3, 1996

Mr. Gil Hunt
State of Utah
Department of Natural Resources
Division of Oil, Gas, and Mining
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Re: Arcadia-Telonis D-2 Injection Application
SW/SW of Sec. 19, T14S, R9E
465' FWL, 560' FNL

Dear Mr. Hunt:

Enclosed is an original and one copy of an "Application for Injection" for the well described above. Attached to the UIC form 1 is the following information.

- Attachment #1 - Plat showing location of proposed injection well
- Attachment #2 - Statement regarding logs.
- Attachment #3 - Description of the casing program
- Attachment #4 - Statement as to fluid types
- Attachment #5 - Statement as to injection pressures
- Attachment #6 - Geologic and hydrologic data
- Attachment #7 - Review of the mechanical condition of each well within a one-half mile radius
- Attachment #8 - Affidavit certifying that a copy of the application has been provided to all owners, operators, and surface owners within a one-half mile radius

I believe the enclosed information will allow you to proceed with publishing the announcement of the proposal for public comment. Information missing from UIC Form 1 and attachments: #2, #4, and #5 will be supplemented as soon as possible.

Please contact me at your convenience if I can be of any assistance.

Sincerely,

A handwritten signature in black ink, appearing to read "Callen Hurtt", with a stylized flourish at the end.

Callen Hurtt
Technical Assistant

APPLICATION FOR INJECTION WELL - UIC FORM 1

Well name and number: Arcadia-Telonis D-2
Field or Unit name: Drunkards Wash Lease no.
Well location: QQ SW/SW section 19 township 14S range 9E county Carbon

If this application is for an existing well,
has a casing test been performed on the well? Yes ☐ No ☐
Date of test: _____
API number: _____

IMPORTANT: Additional information as required by R6 49-5-2 should accompany this form.

Signature Callen Gurn
Date 5/3/96

Comments: Information on proposed injection interval and proposed maximum injection rate and pressure will follow when information is available.

Attachment #1

Proposed Water Disposal Well
SE/SE Sec. 19, T14S, R9E
Quad: Pinnacle Peak
Lease: Patented Land

Gordon Creek Station

Gordon

6293

Creek

RAILWAY

Telomis 19-150
(Proposed)

Birkinshaw 19-108

Proposed Row + Pipeline

Pinnacle Peak 22

Telomis 19-22
465 FSL, 560' FEL

Telomis 19-151
(Proposed)

Telomis 30-156
(Proposed)

Telomis 29-154
(Proposed)

Telomis 30-157
(Proposed)

Telomis 29-155
(Proposed)

Attachment #2

RIVER GAS CORPORATION

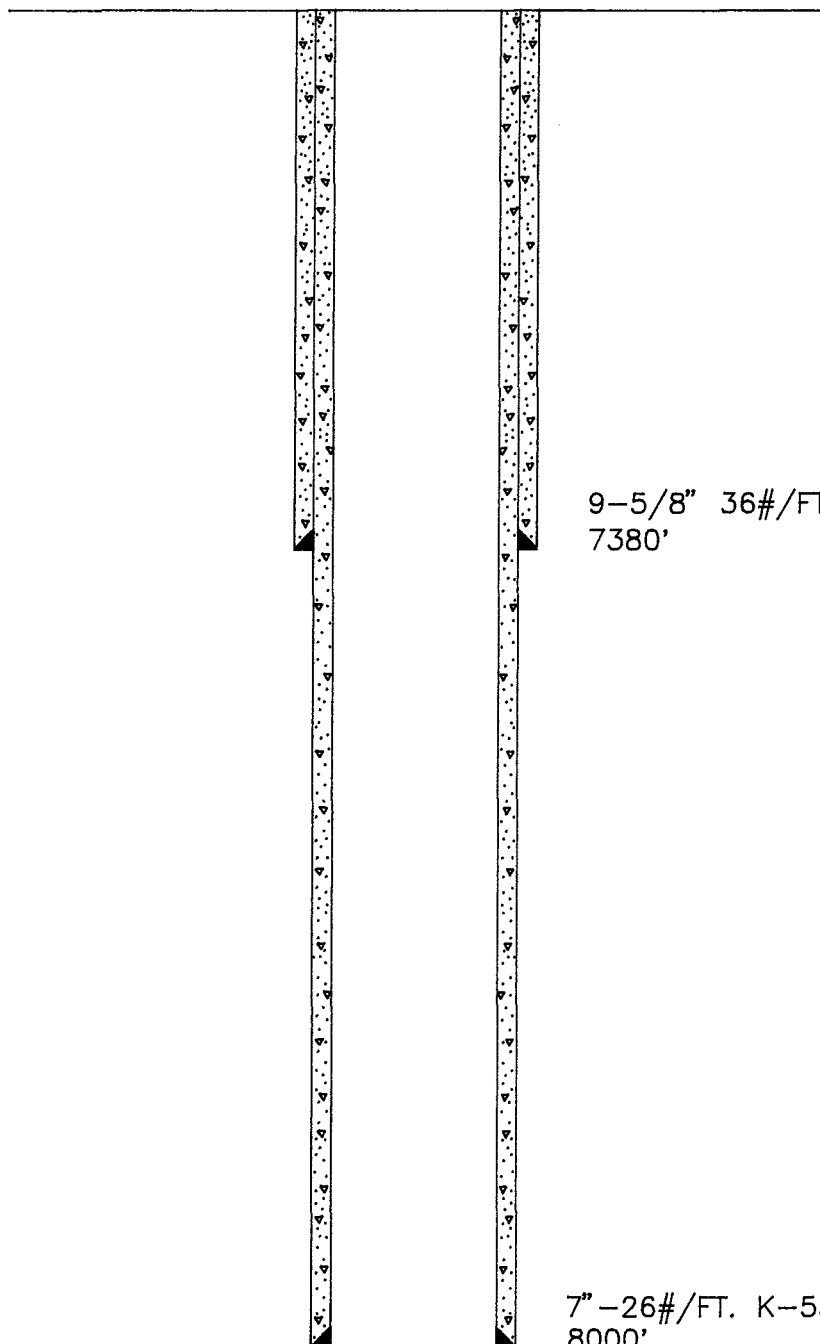
RE: Copies of logs

Copies of all logs will be submitted as soon as they are performed on the well.

ARCADIA-TELONIS #1

SEC. 19, T 14 S, R 9 E
(465 FSL, 560 FEL)

CARBON COUNTY, UTAH



Attachment #4

RIVER GAS CORPORATION

Arcadia-Telonis D-2 Disposal Well

RE: Statement regarding fluid types

The fluid to be injected into the above referenced well is water extracted from the Ferron coal seams produced in the Drunkards Wash Federal Unit. The estimated amount of water to be injected daily is 10,000 barrels per day.

Attached is a laboratory analysis representative of the water to be injected.

Laboratory analyses of the fluid in the formation will be submitted as soon as possible along with a fluid compatibility analysis.

UNICHEM

A Division of BJ Services

P.O. Box 217
Roosevelt, Utah 84066Office (801) 722-5066
Fax (801) 722-5727**WATER ANALYSIS REPORT
RIVER GAS**

COMPANY D-1 AQ 31-01-01 ADDRESS _____ DATE 01-30-96
 SOURCE RGC WATER SAMPLES DATE SAMPLED 01-22-96 ANALYSIS NO. _____
 Analyte Mg/l (ppm) *Meq/l

1. PH	<u>8.6</u>		
2. H ₂ S (Qualitative)	<u>0</u>		
3. Specific Gravity	<u>1.007</u>		
4. Dissolved Solids		<u>19,889</u>	
5. Suspended Solids			
6. Anaerobic Bacterial Count			C/M
7. Methyl Orange Alkalinity (CaCO ₃)			
8. Bicarbonate (HCO ₃)	HCO ₃	<u>3,660</u>	+61 <u>60</u> HCO ₃
9. Chlorides (Cl)	Cl	<u>9,000</u>	+35.5 <u>254</u> Cl
10. Sulfates (SO ₄)	SO ₄	<u>0</u>	+48 <u>0</u> SO ₄
11. Calcium (Ca)	Ca	<u>2</u>	+20 <u>0</u> Ca
12. Magnesium (Mg)	Mg	<u>0</u>	+12.2 <u>0</u> Mg
13. Total Hardness (CaCO ₃)		<u>5</u>	
14. Total Iron (Fe)		<u>0.6</u>	
15. Barium (Qualitative)			
16. Phosphate Residuals			

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

	Compound	Equlv. Wt.	X	Meq/l	=	Mg/l
0	Ca					
0	Mg					
314	Na					
	HCO ₃					
	SO ₄					
	Cl					
	Ca(HCO ₃) ₂	81.04				
	CaSO ₄	68.07				
	CaCl ₂	55.50				
	Mg(HCO ₃) ₂	73.17				
	MgSO ₄	60.19				
	MgCl ₂	47.62				
	NaHCO ₃	84.00		<u>60</u>		<u>5,040</u>
	Na ₂ SO ₄	71.03				
	NaCl	58.46		<u>254</u>		<u>14,849</u>

Saturation ValuesCaCO₃**Distilled Water 20°C**

13 Mg/l

CaSO₄ · 2H₂O

2,090 Mg/l

MgCO₃

103 Mg/l

RESISTIVITY = .56 OHMS/CM @ 70°F

REMARKS _____

NATURE SAVER™ FAX MEMO 01818

Date	<u>01/29/96</u>	Page	<u>2</u>
To	<u>Cal Hunt</u>	From	<u>Rockville</u>
Co./Dept	<u>Don W. Plaman</u>	Co.	
Phone #		Phone #	

Attachment #5

RIVER GAS CORPORATION

D-4 Disposal Well

RE: Statement regarding injection pressures

Average and maximum injection pressures will be submitted as soon as step-rate test results are available from the well.

Drilling program.

The following geologic units will be behind pipe in the well.

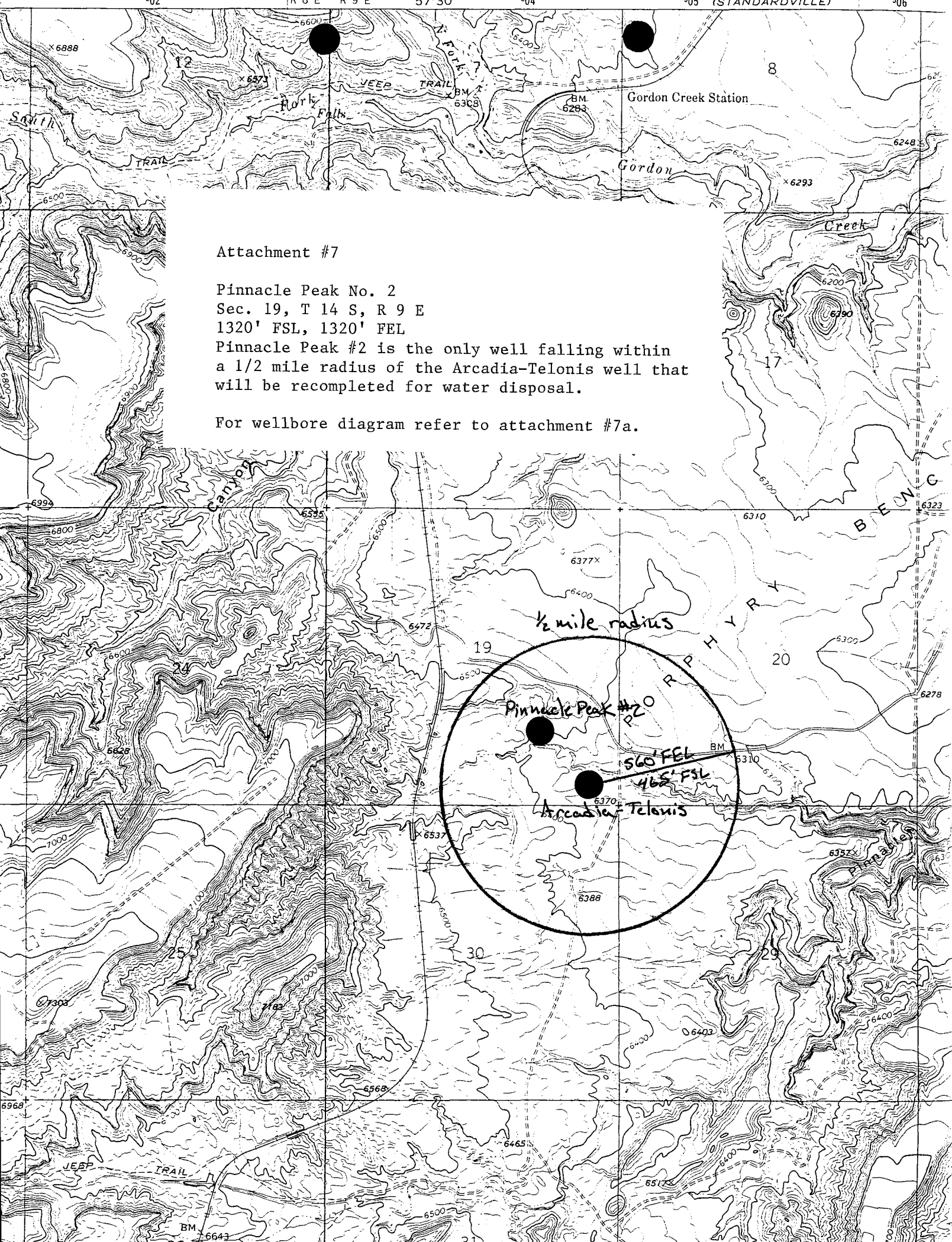
<u>Formation/Unit</u>	<u>Est. Depth (ft)</u>
Upper Mancos Shale	Surface
Blue Gate Shale/Ferron Sandstone	2805
Ferron/Tununk Shale	3140
Tununk/Dakota Sandstone	3500
Dakota/Cedar Mountain	3530
Cedar Mountain/Morrison	4466
Morrison/Summerville	5000
Summerville/Curtis	5500
Curtis/Entrada	5660
Entrada/Carmel	6460
Carmel/Navajo	7190

Attachment #7

Pinnacle Peak No. 2
Sec. 19, T 14 S, R 9 E
1320' FSL, 1320' FEL

Pinnacle Peak #2 is the only well falling within
a 1/2 mile radius of the Arcadia-Telonis well that
will be recompleted for water disposal.

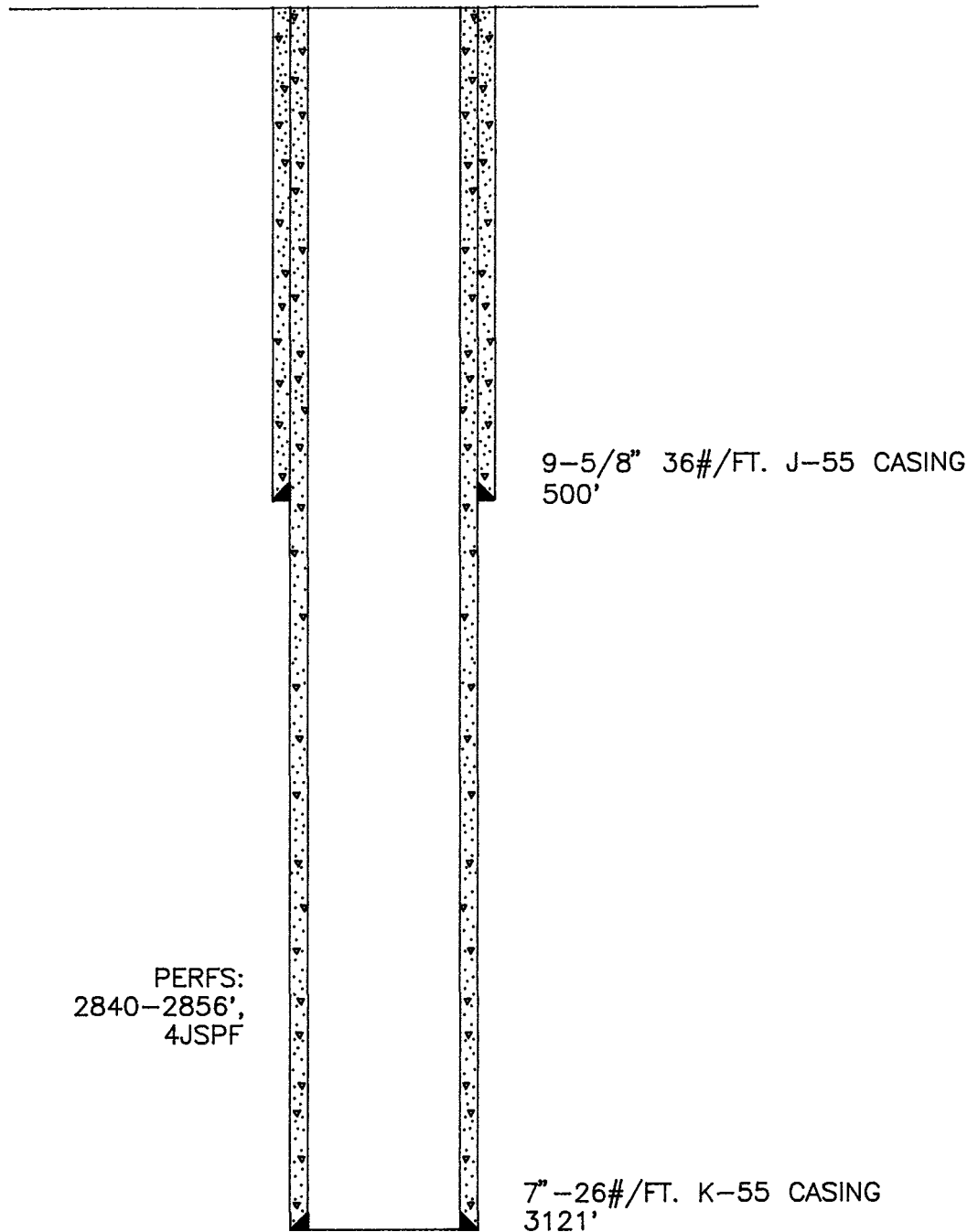
For wellbore diagram refer to attachment #7a.



PINNACLE PEAK UNIT NO. 2

SEC. 19, T 14 S, R 9 E
1320' FSL, 1320' FEL

CARBON COUNTY, UTAH



Attachment #7a

STATE OF ALABAMA)

(D-2)

: ss.

COUNTY OF TUSCALOOSA)

**AFFIDAVIT OF NOTIFICATIONS MAILED REGARDING PROPOSED DRILLING
OF A WELL AND TESTING FOR POSSIBLE USE AS AN INJECTION WELL**

JOSEPH L. STEPHENSON, being first duly sworn upon his oath,
deposes and states:

1. I am Vice President - Land of River Gas Corporation ("RGC"), an Alabama corporation duly authorized to transact business in the State of Utah, and am authorized to execute this Affidavit on behalf of said corporation.

2. As Vice President - Land, I am responsible for supervision of lease records, reviewing title records and legal opinions affecting lands where RGC proposes to conduct operations, and providing notice to certain parties that may be affected by proposed operations.

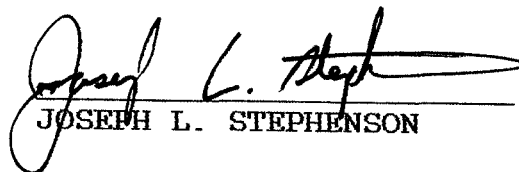
3. RGC proposes to re-enter a well drilled on land owned by Fotini Telonis, et al in the SE1/4 of SE1/4 of Section 19, T14S, R9E, SLM, Carbon County, Utah. Upon re-entry, deepening, and completion of drilling the well, tests will be conducted to determine if the well can be utilized as an injection (water disposal) well.

4. Attached hereto as EXHIBIT "A" is a map showing the location of the proposed well. The map also shows a 1/2 mile radius drawn around the proposed well. The identification of ownership of the tracts within that 1/2 mile radius is provided.


5. Attached hereto as EXHIBIT "B" is a listing of parties that were mailed letters giving notice of the Application for Injection Well which RGC submitted to the Division of Oil, Gas and Mining ("DOGM"). The letters were sent by certified mail - return receipt. The listing shows when the return receipt cards were signed by the parties receiving said letters or when RGC received those cards. The letters that were mailed identified the tract(s) within the 1/2 mile radius of the proposed well in which said party owned an interest, the purpose of RGC drilling the well was stated, a copy of the Application for Injection Well was provided, the address and telephone number for the DOGM was provided in the event the party had a question on the permitting of the well, and RGC offered to provide said parties with additional information associated with the Application for Injection Well if the party made a written request to RGC.

6. The matters stated herein are true of my own knowledge, except to any matters stated herein upon information and belief, and, as to those matters, I believe them to be true.

DATED this 20th day of May, 1996.


JOSEPH L. STEPHENSON

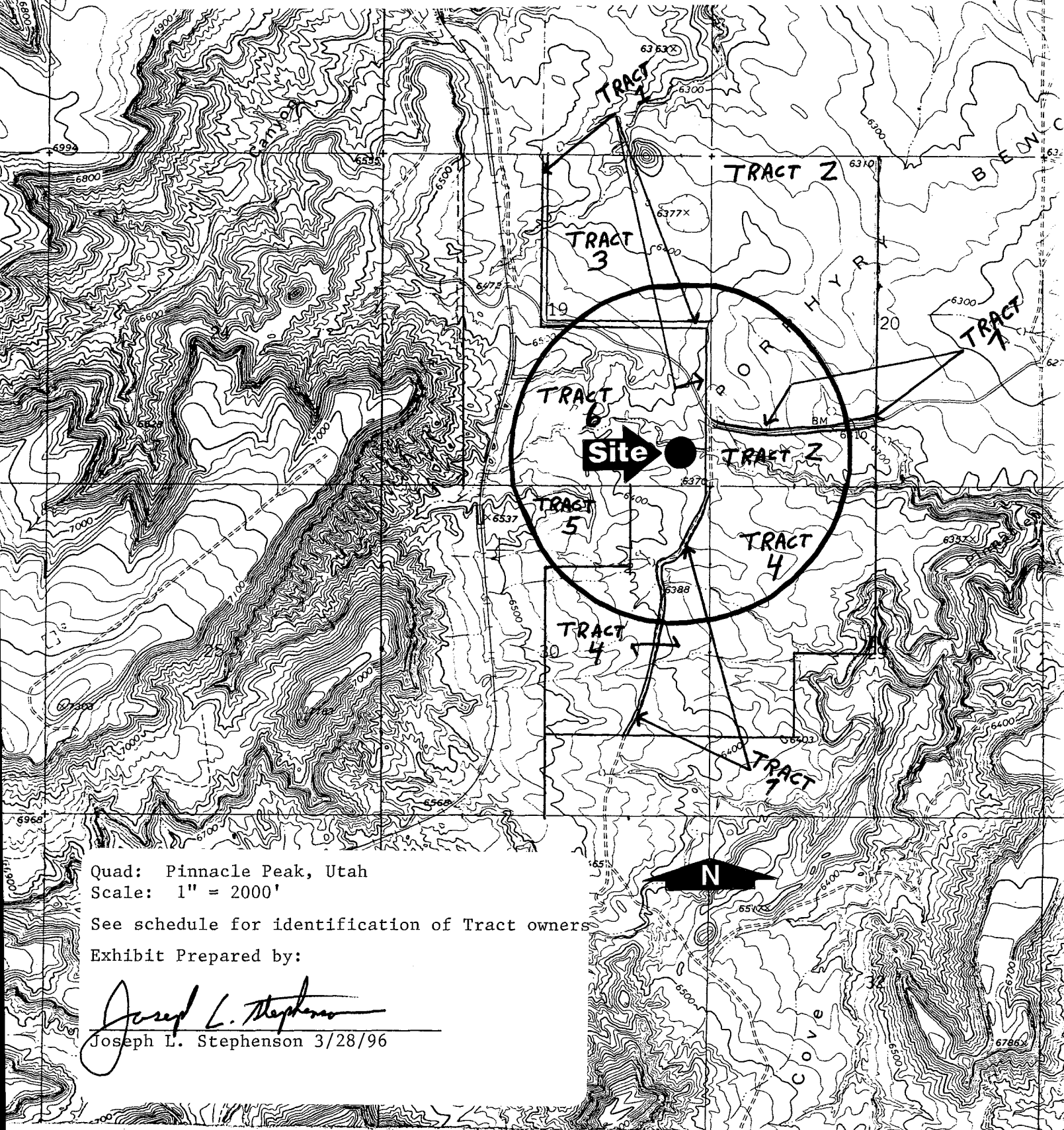
Subscribed, sworn and acknowledged to and by Joseph L. Stephenson before me this 20th day of May, 1996.


NOTARY PUBLIC
Residing at:
1429 20th Avenue East
Tuscaloosa, AL 35404

(SEAL)

My Commission Expires: 3/8/98

EXHIBIT "A"
PAGE 1 OF 4
River Gas Corporation
Arcadia Refining Telonis No. 1
SE/SE, Section 19, T14S, R9E, SLM
Carbon County, Utah
Operators, Owners, Surface Owners Within 1/2 Mile Radius



Quad: Pinnacle Peak, Utah
Scale: 1" = 2000'

See schedule for identification of Tract owners

Exhibit Prepared by:

Joseph L. Stephenson
Joseph L. Stephenson 3/28/96

EXHIBIT "A"

PAGE 2 OF 4

River Gas Corporation
Arcadia Refining Telonis No. 1
SE/SE, Section 19, T14S, R9E, SLM
Carbon County, Utah

Operators, Owners, Surface Owners Within 1/2 Mile Radius

TRACT 1

Surface Owner:	Carbon County
Mineral Owner:	Carbon County
Oil & Gas Lease:	RGC-UT-001-110 (Book 348 at Pages 231-235)
Oil & Gas Lessee:	River Gas Corporation & Texaco Exploration and Production Inc.
Coal Lease:	None of record
Coal Lessee:	Not applicable
Other Minerals Lessee:	None of record
Grazing Permittee:	None of record
Oil & Gas Operator:	River Gas Corporation

TRACT 2

Surface Owner:	Alan Thomas
Mineral Owner:	Alan Thomas
Oil & Gas Lease:	None of record
Oil & Gas Lessee:	Not applicable
Coal Lease:	None of record
Coal Lessee:	Not applicable
Other Minerals Lessee:	None of record
Grazing Permittee:	None of record
Oil & Gas Operator:	Not applicable

TRACT 3

Surface Owner:	Jill Jones, General Personal Representative of the Estate of Jack T. Birkinshaw, deceased
Mineral Owner:	Jill Jones, General Personal Representative of the Estate of Jack T. Birkinshaw, deceased
Oil & Gas Lease:	RGC-UT-001-061FO (Book 270 at Pages 299-301)
Oil & Gas Lessee:	River Gas Corporation & Texaco Exploration and Production Inc.
Coal Lease:	None of record
Coal Lessee:	Not applicable
Other Minerals Lessee:	None of record
Grazing Permittee:	None of record
Oil & Gas Operator:	River Gas Corporation

EXHIBIT "A"

PAGE 3 OF 4

River Gas Corporation
Arcadia Refining Telonis No. 1
SE/SE, Section 19, T14S, R9E, SLM
Carbon County, Utah

Operators, Owners, Surface Owners Within 1/2 Mile Radius

TRACT 4

Surface Owner: Nick Sampinos, Power of Attorney for Fotini
Telonis, et al
Mineral Owner: Nick Sampinos, Power of Attorney for Fotini
Telonis, et al
Oil & Gas Lease: RGC-UT-001-027FO (Book 216 at Pages 571-572)
Oil & Gas Lessee: River Gas Corporation & Texaco Exploration and
Production Inc.
Coal Lease: None of record
Coal Lessee: Not applicable
Other Minerals Lessee: None of record
Grazing Permittee: None of record
Oil & Gas Operator: River Gas Corporation

TRACT 5

Surface Owner: United States of America
Mineral Owner: United States of America all minerals
Oil & Gas Lease: UTU-51584
Oil & Gas Lessee: River Gas Corporation & Texaco Exploration and
Production Inc.
Coal Lease: None of record
Coal Lessee: Not applicable
Other Minerals Lessee: None of record
Grazing Permittee: None of record
Oil & Gas Operator: River Gas Corporation

TRACT 6

Surface Owner: Nick Sampinos, Power of Attorney for Fotini
Telonis, et al
Mineral Owner: Nick Sampinos, Power of Attorney for Fotini
Telonis, et al
Oil & Gas Lease: RGC-UT-001-041FO (Book 292 at Pages 740-742)
Oil & Gas Lessee: River Gas Corporation, Texaco Exploration and
Production Inc., Dominion Reserves-Utah, Inc.
Coal Lease: None of record
Coal Lessee: Not applicable
Other Minerals Lessee: None of record
Grazing Permittee: None of record
Oil & Gas Operator: River Gas Corporation

EXHIBIT "A"

PAGE 4 OF 4

River Gas Corporation
Arcadia Refining Telonis No. 1
SE/SE, Section 19, T14S, R9E, SLM
Carbon County, Utah

Operators, Owners, Surface Owners Within 1/2 Mile Radius

TRACT 7

Surface Owner:	Carbon County
Mineral Owner:	Carbon County
Oil & Gas Lease:	None of record
Oil & Gas Lessee:	Not applicable
Coal Lease:	None of record
Coal Lessee:	Not applicable
Other Minerals Lessee:	None of record
Grazing Permittee:	None of record
Oil & Gas Operator:	Not applicable

EXHIBIT "B"

PAGE 1 OF 2

River Gas Corporation

Arcadia Refining Telonis No. 1 (D-2)

SE/SE, Section 19, T14S, R9E, SLM

Carbon County, Utah

Operators, Owners, Surface Owners Within 1/2 Mile Radius

Carbon County
ATTENTION: Carbon County Commission
Carbon County Courthouse
100 East Main Street
Price, UT 84501

CERTIFIED MAIL P-521-852-720
LETTER DATED: May 3, 1996
RECEIVED: May 18, 1996

Dominion Reserves-Utah, Inc.
ATTENTION: Mr. G. E. Lake, Jr.
Vice President
Riverfront Plaza, West Tower
901 E. Byrd Street
Richmond, VA 23261

CERTIFIED MAIL P-521-852-722
LETTER DATED: May 3, 1996
RECEIVED: May 13, 1996

Jill Jones, Personal Representative
of the Estate of Jack T. Birkinshaw,
deceased
P. O. Box 7146
Alhambra, CA 91802-7146

CERTIFIED MAIL P-521-852-723
LETTER DATED: May 3, 1996
RECEIVED: May 11, 1996

River Gas Corporation
ATTENTION: Joseph L. Stephenson
Vice President - Land
511 Energy Center Blvd.
Northport, AL 35476

NOT APPLICABLE...RGC
ORIGINATED NOTICES TO THE
OTHER PARTIES

Nick Sampinos, Power of Attorney
for Fotini Telonis, et al
deceased
First Interstate Bank Bldg.
80 West Main, Suite 201
Price, UT 84501

CERTIFIED MAIL P-521-852-724
LETTER DATED: May 3, 1996
SIGNED CARD NOT DATED...
RECEIVED AT RGC May 13, 1996

Texaco Exploration and Production Inc.
ATTENTION: Mr. Gary Cox
Denver Division
P. O. Box 2100
Denver, CO 80201

CERTIFIED MAIL P-521-852-725
LETTER DATED: May 3, 1996
SIGNED CARD NOT DATED...
RECEIVED AT RGC : May 13, 1996

EXHIBIT "B"

PAGE 2 OF 2

River Gas Corporation
Arcadia Refining Telonis No. 1 (D-2)
SE/SE, Section 19, T14S, R9E, SLM
Carbon County, Utah

Operators, Owners, Surface Owners Within 1/2 Mile Radius

Alan Thomas
Porphyry Bench, Route 2 Box 49-M1
Price, UT 84501

CERTIFIED MAIL P-521-852-721
LETTER DATED: May 3, 1996
Letter stamped "REFUSED" and
returned to RGC.

United States of America
U. S. Department of the Interior
Bureau of Land Management
Moab District Office
P. O. Box 970
Moab, UT 84532

CERTIFIED MAIL P-521-852-728
LETTER DATED: May 3, 1996
RECEIVED: May 9, 1996

United States of America
U. S. Department of the Interior
Bureau of Land Management
Price Resource Area
900 North 700 East
Price, UT 84501

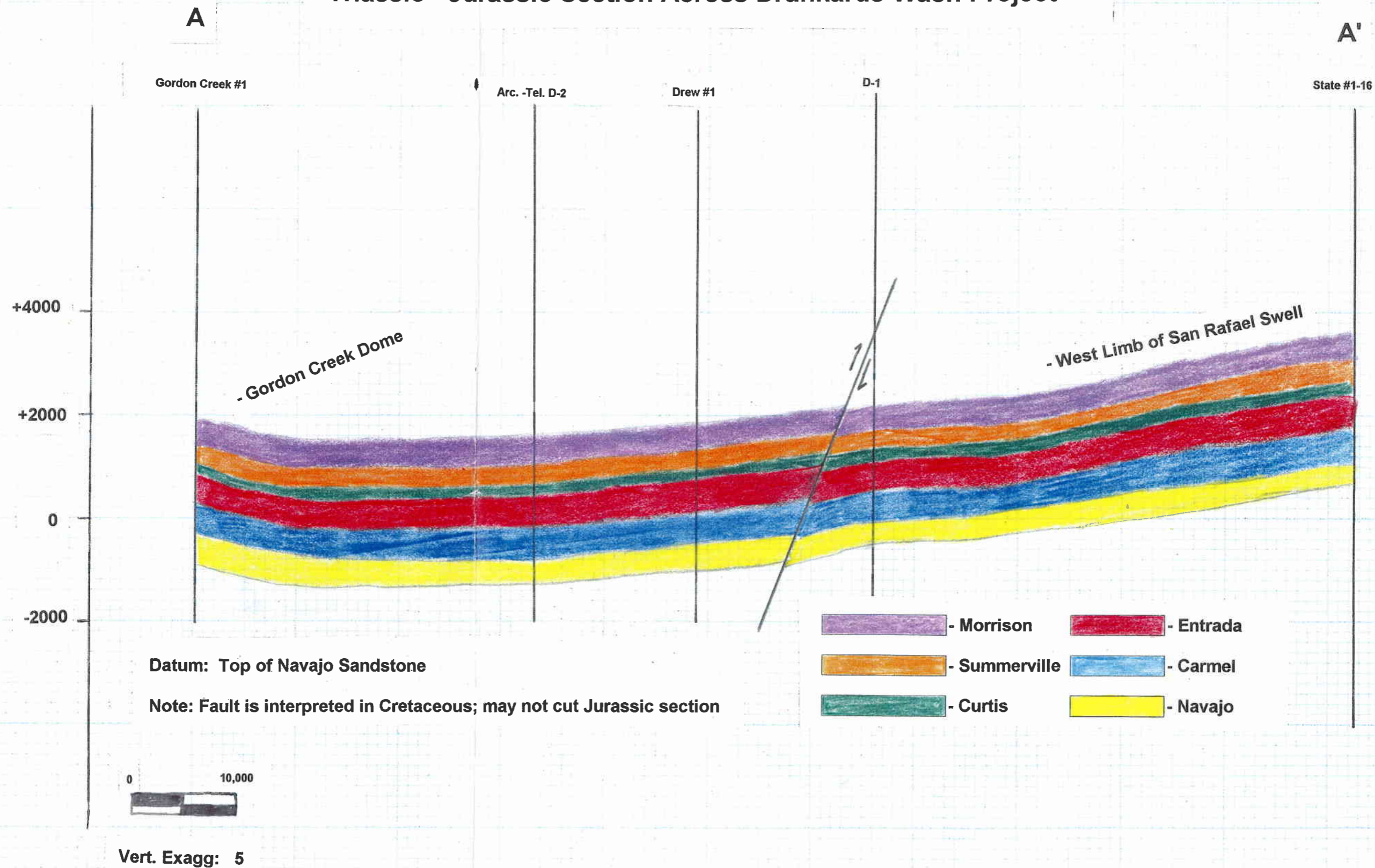
CERTIFIED MAIL P-521-852-727
LETTER DATED: May 3, 1996
RECEIVED: May 9, 1996

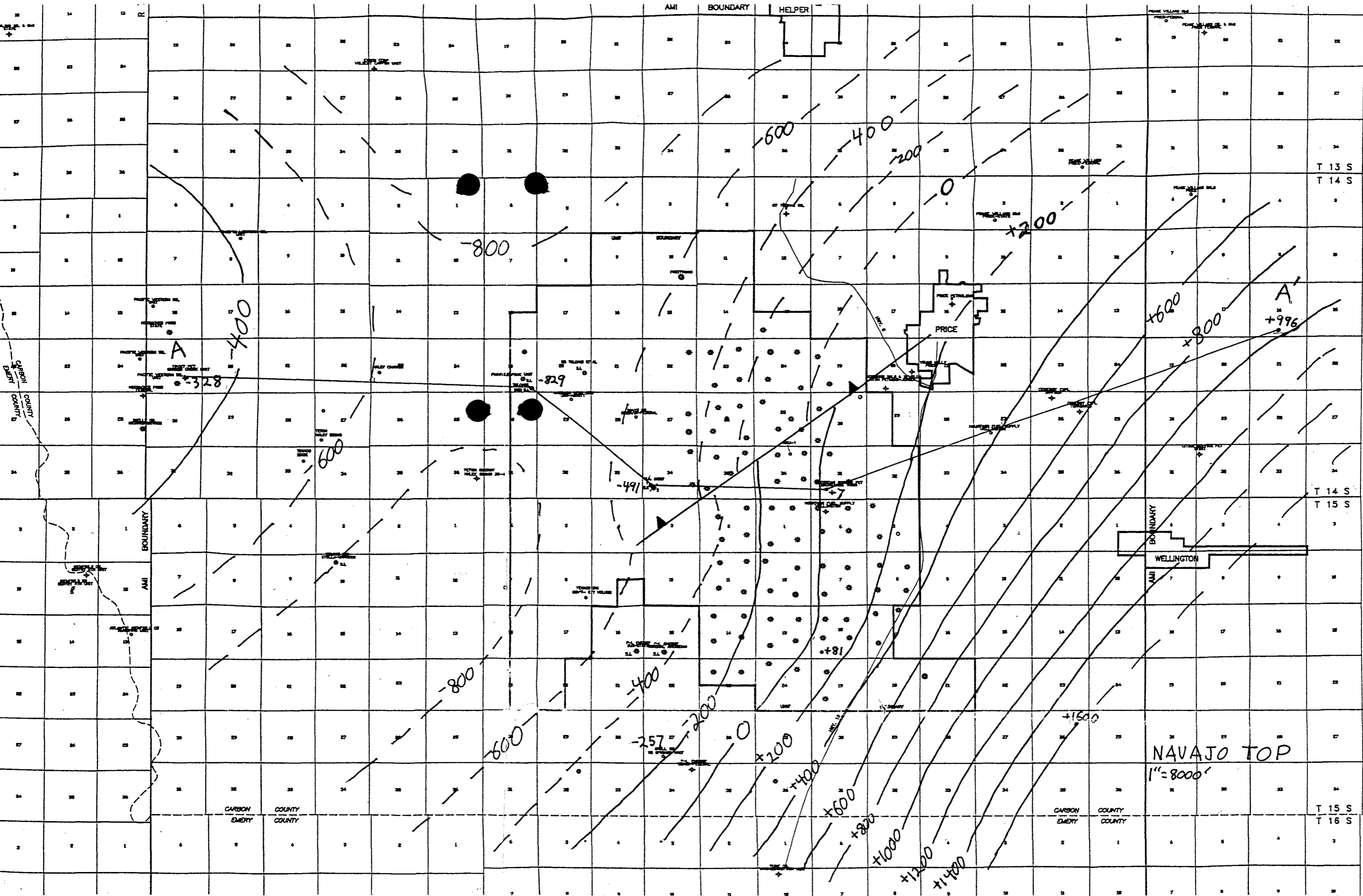
United States of America
U. S. Department of the Interior
Bureau of Land Management
324 South State, Suite 301
Salt Lake City, UT 84111-2303

CERTIFIED MAIL P-521-852-726
LETTER DATED: May 3, 1996
RECEIVED: May 10, 1996

Comments: Information on proposed injection interval and proposed maximum injection rate and pressure will follow when information is available.

Triassic - Jurassic Section Across Drunkards Wash Project





STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL <input type="checkbox"/> GAS <input type="checkbox"/> OTHER: Salt Water Disposal Well (RE-ENTRY)	5. Lease Designation and Serial Number: Patented Land (Fee)
2. Name of Operator: River Gas Corporation	6. If Indian, Allocated or Tribe Name: N/A
3. Address and Telephone Number: 1305 S. 100 E., Price, UT 84501 (801)637-8876	7. Unit Agreement Name: Drunkard's Wash
4. Location of Well Footages: 465' FSL & 560' FEL of Section 19 QQ, Sec. T., R., M.: SE/SE, Section 19, T14S, R9E, SLB&M	8. Well Name and Number: Arcadia-Telonis #1 (D2)
	9. API Well Number: 43-007-30093
	10. Field and Pool, or Wildcat: Wildcat
	County: Carbon State: Utah

CONFIDENTIAL

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	
<p>NOTICE OF INTENT (Submit in Duplicate)</p> <p><input type="checkbox"/> Abandonment <input type="checkbox"/> New Construction</p> <p><input type="checkbox"/> Casing Repair <input type="checkbox"/> Pull or Alter Casing</p> <p><input type="checkbox"/> Change of Plans <input type="checkbox"/> Recompletion</p> <p><input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Shoot or Acidize</p> <p><input type="checkbox"/> Fracture Treat <input checked="" type="checkbox"/> Vent or Flare</p> <p><input type="checkbox"/> Multiple Completion <input type="checkbox"/> Water Shut-Off</p> <p><input type="checkbox"/> Other _____</p> <p>Approximate date work will start <u>June 3, 1996</u></p>	<p>SUBSEQUENT REPORT (Submit Original Form Only)</p> <p><input type="checkbox"/> Abandonment * <input type="checkbox"/> New Construction</p> <p><input type="checkbox"/> Casing Repair <input type="checkbox"/> Pull or Alter Casing</p> <p><input type="checkbox"/> Change of Plans <input type="checkbox"/> Shoot or Acidize</p> <p><input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Vent or Flare</p> <p><input type="checkbox"/> Fracture Treat <input type="checkbox"/> Water Shut-Off</p> <p><input type="checkbox"/> Other _____</p> <p>Date of work completion _____</p> <p>Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.</p> <p>* Must be accompanied by a cement verification report.</p>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

As of this morning, we had drilled out all but one of the plugs and swabbed the fluid level down to 6000' in preparation for perforating the D2 well. Then we perforated from 7205'-7206' in the Navajo "A" formation. While preparing to swab and take water samples, the well began to flow gas mixed with some formation water. At this point in time, we don't know how much gas is there, but request permission to flare the gas in order to further evaluate the well.

Gave verbal permission to Steve Prince over phone signed fax copy.

Regulatory Manager _____ Date: June 3, 1996

COOR. file

✓

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL <input type="checkbox"/> GAS <input type="checkbox"/> OTHER: Salt Water Disposal Well (RE-ENTRY)	5. Lease Designation and Serial Number: Patented Land (Fee)
2. Name of Operator: River Gas Corporation	6. If Indian, Allocated or Tribe Name: N/A
3. Address and Telephone Number: 1305 S. 100 E., Price, UT 84501 (801)637-8876	7. Unit Agreement Name: Drunkard's Wash
4. Location of Well Footages: 465' FSL & 560' FEL of Section 19 QQ, Sec., T., R., M.: SE/SE, Section 19, T14S, R9E, SLB&M	8. Well Name and Number: Arcadia-Telonis #1 (D2)
	9. API Well Number: 43-007-30093
	10. Field and Pool, or Wildcat: Wildcat
County: Carbon State: Utah	

CONFIDENTIAL

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	
<p style="text-align: center;">NOTICE OF INTENT (Submit in Duplicate)</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <input type="checkbox"/> Abandonment <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Other _____ </div> <div style="width: 48%;"> <input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recompletion <input type="checkbox"/> Shoot or Acidize <input checked="" type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off </div> </div> <p>Approximate date work will start <u>June 3, 1996</u></p>	<p style="text-align: center;">SUBSEQUENT REPORT (Submit Original Form Only)</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <input type="checkbox"/> Abandonment <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Other _____ </div> <div style="width: 48%;"> <input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off </div> </div> <p>Date of work completion _____</p> <p style="font-size: 0.8em;">Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form. • Must be accompanied by a cement verification report.</p>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

As of this morning, we had drilled out all but one of the plugs and swabbed the fluid level down to 6000' in preparation for perforating the D2 well. Then we perforated from 7205'-7206' in the Navajo "A" formation. While preparing to swab and take water samples, the well began to flow gas mixed with some formation water. At this point in time, we don't know how much gas is there, but request permission to flare the gas in order to further evaluate the well.

13. Name & Signature: Steven L. Prince Title: Utah Regulatory Manager Date: June 3, 1996

(This space for State use only)

**RIVER GAS CORPORATION**

1300 South 100 East

Price, Utah 84501

Mobile (801)636-5256, Office (801) 637-8876, Fax (801) 637-8924

DATE: June 3, 1996 **Business:** (801)538-5340
TIME: 2:48 pm **Fax:** (801)359-3940
PAGES: 2 (includes cover sheet)
TO: Frank Matthews
FROM: Steven Prince
CC:

Please find attached a sundry notice requesting permit to flare gas on our D2 injection well. The original will be sent by next day air. If you have any questions, please feel free to call.

If an incomplete transaction is received, please contact the sender at (801) 637-8876. Thank you.

...IMPORTANT NOTICE...

THIS MESSAGE IS INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY TO WHICH IT IS ADDRESSED AND MAY CONTAIN INFORMATION THAT IS PRIVILEGED, CONFIDENTIAL, AND EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAW. IF THE READER OF THIS MESSAGE IS NOT THE INTENDED RECIPIENT, OR THE EMPLOYEE OR AGENT RESPONSIBLE FOR DELIVERING THE MESSAGE TO THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, DISTRIBUTION OR COPYING OF THIS COMMUNICATION IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS COMMUNICATION IN ERROR, PLEASE NOTIFY US IMMEDIATELY BY TELEPHONE AND RETURN THE ORIGINAL MESSAGE TO US AT THE ABOVE ADDRESS VIA THE U.S. POSTAL SERVICE. THANK YOU.

FORM 9

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

5. Lease Designation and Serial Number:

Patented Land (Fee)

6. If Indian, Altkos or Tribe Name:

N/A

7. Unit Agreement Name:

Drunkard's Wash

8. Well Name and Number:

Arcadia-Telonis #1 (D2)

9. API Well Number:

43-007-30093

10. Field and Pool, or Wildcat:

Wildcat

1. Type of Well: OIL ☐ GAS ☐ OTHER: Salt Water Disposal Well (RE-ENTRY)

2. Name of Operator: River Gas Corporation

3. Address and Telephone Number: 1305 S. 100 E., Price, UT 84501 (801)637-8876

4. Location of Well

Footages: 465' FSL & 560' FEL of Section 19

CO, Sec., T., R., M.: SE/SE, Section 19, T14S, R9E, SLB&M

County: Carbon

State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT

(Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input checked="" type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start June 3, 1996

SUBSEQUENT REPORT

(Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG forms.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

As of this morning, we had drilled out all but one of the plugs and swabbed the fluid level down to 6000' in preparation for perforating the D2 well. Then we perforated from 7205'-7206' in the Navajo "A" formation. While preparing to swab and take water samples, the well began to flow gas mixed with some formation water. At this point in time, we don't know how much gas is there, but request permission to flare the gas in order to further evaluate the well.

13.

Name & Signature: Steven L. Prince

Steven L. Prince

Title: Utah Regulatory Manager

Date: June 3, 1996

(This space for State use only)

Spud - (re-entry)

(1193)

(See Instructions on Reverse Side)

6/3/96

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH

---ooOoo---

IN THE MATTER OF THE
APPLICATION OF RIVER GAS
CORPORATION FOR
ADMINISTRATIVE APPROVAL OF
THE ARCADIA TELONIS D-2 WELL
LOCATED IN SECTION 19,
TOWNSHIP 14 SOUTH, RANGE 9
EAST, S.L.M., CARBON COUNTY,
UTAH, AS A CLASS II INJECTION
WELL

: NOTICE OF AGENCY
: ACTION

: CAUSE NO. UIC-175

---ooOoo---

43-007-30093

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of River Gas Corporation for administrative approval of the Arcadia Telonis D-2 well, located in Section 19, Township 14 South, Range 9 East, S.L.M., Carbon County, Utah, for conversion to a Class II injection well. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

The interval from 7200 feet to 7700 feet (Navajo and Wingate Formations) will be selectively perforated for water injection. The maximum requested injection pressure will be determined by means of a step-rate test at the time of conversion. Additionally it should be noted that preliminary tests on the well have indicated the presence of CO₂ gas in the upper zone of the Navajo Formation.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 26th day of June 1996.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING


James W. Carter, Director



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

June 26, 1996

Sun Advocate
P. O. Box 870
76 West Main
Price, Utah 84501

Re: Notice of Agency Action - Cause No. 175

Gentlemen:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

Sincerely,

Lorraine Platt
Secretary

Enclosure





State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

June 26, 1996

Newspaper Agency Corporation
Legal Advertising
Tribune Building, Front Counter
143 South Main
Salt Lake City, Utah 84111

Re: Notice of Agency Action - Cause No. UIC-175

Gentlemen:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

Sincerely,

Larraine Platt

Larraine Platt
Secretary

Enclosure



**River Gas Corporation
Arcadia Telonis D-2 Well
Cause No. UIC-175**

Publication Notices were sent to the following:

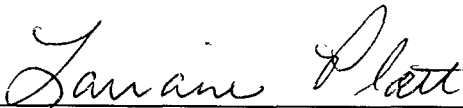
River Gas Corporation
511 Energy Center Blvd.
Northport, AL 35476

Newspaper Agency Corporation
Legal Advertising
157 Regent Street
Salt Lake City, Utah 84110

Sun Advocate
P. O. Box 870
76 West Main
Price, Utah 84501

Bureau of Land Management
Price Resource Area
900 North 700 East
Price, Utah 84501

U.S. Environmental Protection Agency
Region VIII
Attn: Dan Jackson
999 18th Street
Denver, Colorado 80202-2466



Lorraine Platt
Secretary

143 SOUTH MAIN ST.
P.O. BOX 45838
SALT LAKE CITY, UTAH 84145
FED. TAX I.D.# 87-0217663

Newspaper Agency Corporation

The Salt Lake Tribune



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COPY

PROOF OF PUBLICATION

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL, GAS & MINING 355 WEST NORTH TEMPLE 3 TRIAD CENTER #350 SLC, UT 84180	D5385340L-07	07/06/96

ACCOUNT NAME	
DIV OF OIL, GAS & MINING	
TELEPHONE	INVOICE NUMBER
801-538-5340	TL728200961
SCHEDULE	
START 07/06/96 END 07/06/96	
CUST. REF. NO.	
UIC-175	
CAPTION	
NOTICE OF AGENCY ACTION CAUSE N	
SIZE	
77 LINES 1.00 COLUMN	
TIMES	RATE
1	1.64
MISC. CHARGES	AD CHARGES
.00	126.28
TOTAL COST	
126.28	

COPY

NOTICE OF AGENCY ACTION
CAUSE NO. UIC-175
BEFORE THE DIVISION OF OIL,
GAS AND MINING
DEPARTMENT OF NATURAL
RESOURCES, STATE OF UTAH

IN THE MATTER OF THE APPLICATION OF RIVER GAS CORPORATION FOR ADMINISTRATIVE APPROVAL OF THE CONVERSION OF A WELL LOCATED IN SECTION 19, TOWNSHIP 14 SOUTH, RANGE 9 EAST, S.L.M. CARBON COUNTY, UTAH, AS CLASS II INJECTION WELL.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of River Gas Corporation for administrative approval of the Arcadia, Tetonis D-2 well located in Section 19, Township 14 South, Range 9 East, S.L.M. Carbon County, Utah, for conversion to Class II injection well. The proceeding will be conducted in accordance with Utah Admin. R. 649-10, Administrative Procedures.

The interval from 7200 feet to 7700 feet (Navajo and Wingate Formations) will be selectively perforated for water injection. The maximum requested injection pressure will be determined by means of a step-rate test at the time of conversion. Additionally, it should be noted that preliminary tests on the well have indicated the presence of CO2 gas in the upper zone of the Navajo Formation.

Any person desiring to object to the application or otherwise intervene in the proceeding must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

DATED this 26th day of June, 1996.

STATE OF UTAH
DIVISION OF OIL, GAS
AND MINING
By: James W. Carter
Director
72820090

NEWSPAPER AGENCY CORPORATION LEGAL BOOKKEEPER, I CERTIFY THAT THE ATTACHED
RTISEMENT OF NOTICE OF AGENCY ACTION CAUSE N FOR
OF OIL, GAS & MINING WAS PUBLISHED BY THE NEWSPAPER AGENCY
ORATION, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS
TED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED
ALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH.

ISHED ON START 07/06/96 END 07/06/96

James W. Carter

07/06/96



NOTARY PUBLIC
JOANNE MOONEY
2626 Hartford St.
Salt Lake City, UT 84106
My Commission Expires
March 31, 2000
STATE OF UTAH

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"
PLEASE PAY FROM BILLING STATEMENT.

143 SOUTH MAIN ST.
P.O. BOX 45838
SALT LAKE CITY, UTAH 84145
FED. TAX I.D.# 87-0217663

Newspaper Agency Corporation

The Salt Lake Tribune



DESERET NEWS

CUSTOMER'S
COPY

PROOF OF PUBLICATION

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL, GAS & MINING 355 WEST NORTH TEMPLE 3 TRIAD CENTER #350 SLC, UT 84180	D53853401-07	07/06/96

ACCOUNT NAME	
DIV OF OIL, GAS & MINING	
TELEPHONE	INVOICE NUMBER
801-538-5340	TL728200961
SCHEDULE	
START 07/06/96 END 07/06/96	
CUST. REF. NO.	
UIC-175	
CAPTION	
NOTICE OF AGENCY ACTIONCAUSE N	
SIZE	
77 LINES 1.00 COLUMN	
TIMES	RATE
1	1.64
MISC. CHARGES	AD CHARGES
.00	126.28
TOTAL COST	
126.28	

COPY

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY CORPORATION LEGAL BOOKKEEPER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF NOTICE OF AGENCY ACTIONCAUSE N FOR DIV OF OIL, GAS & MINING WAS PUBLISHED BY THE NEWSPAPER AGENCY CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH.

PUBLISHED ON START 07/06/96 END 07/06/96

SIGNATURE Joanne Mooney

DATE 07/06/96



NOTARY PUBLIC
JOANNE MOONEY
2626 Hartford St.
Salt Lake City, UT 84108
My Commission Expires
March 31, 2000
STATE OF UTAH

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"
PLEASE PAY FROM BILLING STATEMENT.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☐ GAS ☒ OTHER: **RE-ENTRY**

2. Name of Operator:

RIVER GAS CORPORATION

3. Address and Telephone Number:

1305 SOUTH 100 EAST, PRICE, UTAH 84501 (801) 637-8876

4. Location of Well

Footages:

465' FSL, 560' FEL

QQ, Sec., T., R., M.:

SE/SE, SEC. 19, T14S, R09E.

5. Lease Designation and Serial Number:

PATENTED

6. If Indian, Allottee or Tribe Name:

N/A

7. Unit Agreement Name:

N/A

8. Well Name and Number:

Arcadia-Telonis #1 (D2)

9. API Well Number:

43-007-30093

10. Field or Pool, or Wildcat:

WILDCAT

County: CARBON

State: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start _____

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandon * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Weekly Report</u> | |

Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

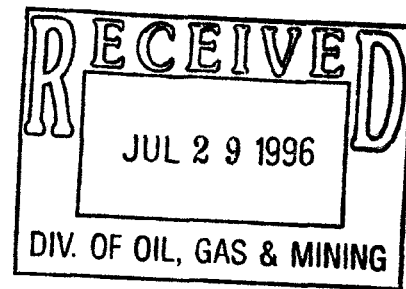
ASSOCIATED TITLE COMPANY

Title Department 578-8888 Commercial Services 578-8835

D-2 well:

4545 - 4574 - injection.

*2806 - 2814 - production.
Form.*



We Take Every Client Personally !

13.

Name & Signature: STEVEN L. PRINCE

Steven L. Prince

Title: REGULATORY MANAGER Date: 7/23/96

(This space for state use only)

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☐ GAS ☒ OTHER: **RE-ENTRY**

2. Name of Operator:

RIVER GAS CORPORATION

3. Address and Telephone Number:

1305 SOUTH 100 EAST, PRICE, UTAH 84501 (801) 637-8876

4. Location of Well

Footages:

465' FSL, 560' FEL

QQ, Sec., T., R., M.:

SE/SE. SEC. 19. T14S. R09E.

5. Lease Designation and Serial Number:

PATENTED

6. If Indian, Allottee or Tribe Name:

N/A

7. Unit Agreement Name:

N/A

8. Well Name and Number:

Arcadia-Telonis #1 (D2)

9. API Well Number:

43-007-30093

10. Field or Pool, or Wildcat:

WILDCAT

County: CARBON

State: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
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| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandon * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Weekly Report</u> | |

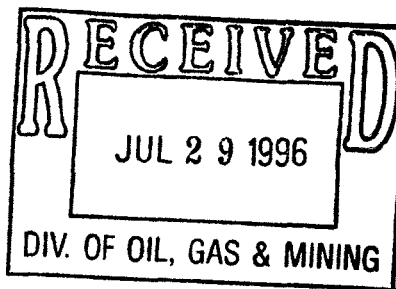
Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

SEE ATTACHED



13.

Name & Signature: STEVEN L. PRINCE

Steven L. Prince

Title: REGULATORY MANAGER Date: 7/23/96

(This space for state use only)

RIVER GAS CORPORATION
ARCADIA TELONIS #1 D-2 (DISPOSAL WELL)
465' FSL & 560' FEL (REENTRY)
SE/4 of SE/4 Sec. 19, T14S, R09E SLB&M
Carbon County, Utah
Elevation: 6371'
API: 43-007-30093
Drilling Contractor: Ross's Well Service, Inc.

Page 2

06/06/96 5/26/96-POOH w/129 jnts tbg, 6' sub and PKR were full of cmt. RIH w/8 1/2" mill x.o., 6-4 5/8" DC's x.o., 141 jnts tbg, tagged cmt. @ 4498'. PU P.S., NU S.H., & clean out flat tank. Drl DN thru cmt w/1 jnt tbg. Hard drlg to 4529'. Circ. btms up. SWIFN. **Daily Costs: \$3163.47. Cumulative Costs: \$46745.70.** 5/27/96-Drl DN thru cmt w/4 jnts tbg to 4623'. Drl'd thru cmt & circ. well clean. Pres test Csg to 1500 PSI. Bled DN to 100 PSI 10 min. LD P.S. & RIH w/25 jnts tbg to 5410'. SWIFN. **Daily Costs: \$3005.00. Cumulative Costs: \$49750.70.**

06/07/96 5/28/96-Run (1) std, tag cmt @ 5467'. Drl out cmt, tag plug @ 5700'. **Daily Costs: \$3200.00. Cumulative Costs: \$52950.70.** 5/29/96-Tag plug @ 5701' & started drlg on plug. Made no hole. TOO H & LD mill. Closed well in for night. **Daily Costs: \$2832.75. Cumulative Costs: \$55783.45.** 5/30/96-MU mill & drl collars. TIH w/tag plug @ 5701' & drl out. Trip DN to 7260' & tag cmt. Tried to circ. Pull 8 stds, circ., & drlg mud out of well. **Daily Costs: \$3553.50. Cumulative Costs: \$59336.95.** 5/31/96-Run back 8 stds, circ., & drl mud out. Tag cmt @ 7260', drl to 7271', tag plug, & circ. hole clean. **Daily Costs: \$4635.75. Cumulative Costs: \$63972.70.** 6/1/96-TOOH w/tbg & drl collars & mill. RU Schlumberger to log well. Run cmt bond log w/gamma ray & collars. Log to 7256'. RD logging unit. TIH w/tbg. RU swab and swabbed to 2100'. Lost swab & weight bars in hole. **Daily Costs: \$6124.75. Cumulative Costs: \$70097.45.** 6/2/96-MU swab, rope socket, weight bar, & started swabbing @ 2100'. Swab to 6100'. **Daily Costs: \$1879.00. Cumulative Costs: \$71976.45.** 6/3/96-Pull 500ft of tbg, set @ 6500'. RU Schlumberger to perf well @ 7205'-06". Perforated well, run back tbg, well came in & flowed well to pit. **Daily Costs: \$3139.97. Cumulative Costs: \$75116.42.**

06/07/96 6/4/96-Flowed well to fit, tried to kill well & pumped 820 bbls DN Csg & Tbg. RU Dowell & pumped 219 bbls of wtr DN Tbg & Csg. Pump rate @ 4.32BPM @ 1870PSI. Well went from 1850 to 0 in 7 minutes. **Daily Costs: \$3685.00. Cumulative Costs: \$78801.42.** 6/5/96-Check PSI on Tbg & Csg. Had H2S school for 45 minutes on how to work in H2S gas. H2S test @ 600PPM in Tbg. Kill well. TOO H w/Tbg, MU overshot, TIH & caught swab bars. MU PKR & TIH. **Daily Costs: \$4541.80. Cumulative Costs: \$83343.22.** 6/6/96-Finished in hole w/PKR & set PKR @ 7172'. Pump rate to brake DN perf, squeeze perf @ 7205'-06". Pressure test, squeeze to 1850^{lb}, held pull, 1 std, circ. Well clean. TOO H w/PKR. MU mill & drl collars. TIH w/Tbg. **Daily Costs: \$10570.88. Cumulative Costs: \$93914.10.**

6/10/96 6/7/96-RU P.S., drl cmt @ 7190' to 7268', & circ. well clean. TOO H & LD tbg & DC's. ND BOP's & NU Wellhead. RD pump & tank. RD Service unit. **Daily Costs: \$4287.75. Cumulative Costs: \$98201.85.**

07/23/96 7/9/96-Ran Dipole Sonic Log. **Daily Costs: \$8458.87. Cumulative Costs: \$106660.72.**

07/24/96 7/17/96-Ran 182 jnts 7" Csg in the hole w/one shoe and set @ 7242.68' G.L.

DAILY REPORT

RIVER GAS CORPORATION
ARCADIA TELONIS #1 D-2 (DISPOSAL WELL)
465' FSL & 560' FEL (REENTRY)
SE/4 of SE/4 Sec. 19, T14S, R09E SLB&M
Carbon County, Utah
Elevation: 6371'
API: 43-007-30093
Drilling Contractor: Ross's Well Service, Inc.

Page 1

06/05/96

5/96-RU Ross's & spot in pipe racks & cat walk. Pump & Tank. Unload pipe, NU BOP's, & unload collars. **Daily Costs: \$4665.99. Cumulative Costs: \$4665.99.** 5/15/96-Test BOP's & valves to 300 psi w/test truck. PU & RIH w/8 1/2" mill x.o. 6-4 5/8" DC's x.o. 81 jnts tbg (2-7/8") + 20', tagged cmt @ 2659', NU S.H., & PU P.S. HU pump lines. Drill DN thru cmt 11' + 1 jnt tbg + 26' to 2727' & circulate well clean. SWIFN. **Daily Costs: \$3635.97. Cumulative Costs: \$8301.96.** 5/16/96-Finish drlg. Out cmt DN to plug @ 2746'. Drl out cast iron plug & circulate well clean. Pres. Test Csg to 2,000 PSI. LD cmt @ 2997', circulate bottoms up, ND S.H. & pump into perfs. 1.42bbbls per min. @ 1,400 PSI. Pumped a total of 14bbbls into perfs. POOH w/93 jnts tbg. x.o., 6-4 5/8" DC's x.o., & 8 1/2" mill. RIH w/9-5/8" Csg scraper x.o., 6' sub, 98jnts tbg to 2983'. POOH w/98 jnts tbg x.o.s. & Csg scraper. RIH w/baker 9-5/8" PKR x.o., 86 jnts tbg. SWIFN. **Daily Costs: \$3648.37. Cumulative Costs: \$11950.33.** 5/17/96-Well SIP 0 PSI. RIH w/5 more jnts tbg, set PKR @ 2772' & RU D.S. squeeze perfs w/200 sks cmt. Release PKR & POOH w/2 jnts tbg. Reverse tbg clean. Reset PKR & pres up to 500 PSI. SWIFN. **Daily Costs: \$6178.46. Cumulative Costs: \$18128.79.** 5/18/96-release PKR & POOH w/89 jnts tbg, 6' sub, & baker 9-5/8" PKR. RIH w/8 1/2" mill x.o., 6-4 5/8" DC's x.o., 84 jnts tbg. NU S.H., PU P.S., & RIH w/22' tagged cmt @ 2764'. Drl DN thru cmt 9' + 2 jnts tbg to 2831'. Last 10' were not solid cmt. Circ. well clean. PU 35' SWIFN. **Daily Costs: \$4067.97. Cumulative Costs: \$22196.76.** 5/19/96-drl DN thru cmt streamers 35' feet fell through. RIH w/4 jnts tbg on P.S. tagged cmt @ 2999'. Drl DN thru soft cmt 30' to 3027'. Hard cmt drl on pieces of cst iron plug Air comp. went out on rig. Circ. well clean. SWIFN. **Daily Costs: \$382.50. Cumulative Costs: \$22579.26.** 5/20/96-drl thru btm of CIP cmt & sand, 50' to 3077'. Circ. well clean. SWIFN. **Daily Costs: \$1995.72. Cumulative Costs: \$24574.98.** 5/21/96-drl btm of plug & cmt 63' to 3140'. Circ. well clean. **Daily Costs: \$2538.22. Cumulative Costs: \$27113.20.** 5/22/96-drl DN thru btm part of plug & cmt 8'. Drlg. Real slow, circ. well clean, LD P.S., ND S.H., & POOH w/97 jnts tbg, 6' sub x.o., 6-4 5/8" DC's x.o., & 8 1/2" mill. PU & RIH w/8-5/8" new rock bit x.o., 6-4 5/8" DC's x.o., 6' sub, & 97 jnts tbg. NU S.H. & PU P.S. drl DN thru cmt 8 PCs. Of plug 5' to 3151'. Hard drlg. Circ. well clean. SWIFN. **Daily Costs: \$3281.97. Cumulative Costs: \$30395.17.** 5/23/96-drl DN thru pcs. of CIP & cmt 54' to 3195', tagged CIBP. Drl on plug 4 hrs. Circ. well clean. SWIFN. **Daily Costs: \$3075.00. Cumulative Costs: \$33470.17.** 5/24/96-finish drlg out plug @ 3195'. LD P.S., ND S.H., & PU & RIH w/41 jnts tbg. Tagged fill @ 4459'. PU P.S., NU S.H., & drl & circ. DN thru settled out mud w/32 jnts tbg to 5468'. Circ. clean. POOH w/24 jnts tbg. Pump into formation for 5 min. @ .60bbbls per min. @ 1,600 PSI. Bled back 800 PSI in 10 min. POOH w/24 jnts tbg. SWIFN. **Daily Costs: \$2938.50. Cumulative Costs: \$36408.67.** 5/25/96-POOH w/124 jnts tbg x.o., 6-4 5/8" DC's x.o., 8-5/8" bit, & RIH w/9-5/8" Csg scraper x.o.s. 150 jnts tbg to 4600'. POOH w/150 jnts tbg x.o.s. & Csg scraper. RIH w/baker 9-5/8" PKR, 147 jnts tbg, set PKR @ 4497'. Cmt squeeze perfs. Release PKR. POOH w/2 jnts tbg. Try to reverse cmt out of tbg. POOH w/16 jnts tbg. RD D.S. SWIFN. **Daily Costs: \$ 7173.56. Cumulative Costs: \$43582.23.**



RIVER GAS CORPORATION

511 Energy Center Blvd.
Northport, Alabama 35476
Phone (205) 759-3282
Fax (205) 759-3188 (Accounting)
Fax (205) 758-5309 (Corporate)

August 14, 1996

Dan Jarvis
Geologist
Division of Oil, Gas, & Mining
1594 West North Temple
Ste. 1201
Box 145801
Salt Lake City, Ut 84114-5801

Dear Mr. Dan Jarvis:

Please find enclosed a copy of the bond log for the 9 5/8" casing and the 7" casing. Please let us know if there is any additional information you need.

Most cordially,

A handwritten signature in cursive script, reading "John Hollingshead".

John Hollingshead
Reservoir Engineer

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☐ GAS ☐ OTHER: ☒ **CONFIDENTIAL**

2. Name of Operator:
River Gas Corporation

3. Address and Telephone:
1305 South 100 East, Price, UT 84501 (801)637-8876

4. Location of Well
Footages: 465' FSL, 560' FEL

QQ, Sec., T., R., M.: SE/SE, SEC. 19, T14S, R09E, SLB&M

5. Lease Designation and Serial Number:

PATENTED

6. If Indian, Allottee or Tribe Name:

N/A

7. Unit Agreement Name:

N/A

8. Well Name and Number:

Arcadia-Telonis #1 (D-2)

9. API Well Number:

43-007-30093

10. Field or Pool, or Wildcat:

WILDCAT

County: CARBON

State: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start _____

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandon * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Weekly Report</u> | |

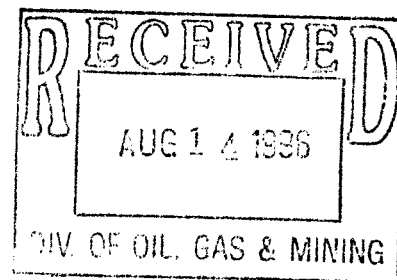
Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

SEE ATTACHED



13.

Name & Signature: Rochelle Crabtree *Rochelle Crabtree* Title: Office Coordinator Date: 08/09/96

(This space for state use only)

RIVER GAS CORPORATION
ARCADIA TELONIS #1 D-2 (DISPOSAL WELL)
465' FSL & 560' FEL (REENTRY)
SE/4 of SE/4 Sec. 19, T14S, R09E SLB&M
Carbon County, Utah
Elevation: 6371'
API: 43-007-30093
Drilling Contractor: Ross's Well Service, Inc.

Page 2

06/06/96 5/26/96-POOH w/129 jnts tbg, 6' sub and PKR were full of cmt. RIH w/8 1/2" mill x.o., 6-4 5/8" DC's x.o., 141 jnts tbg, tagged cmt. @ 4498'. PU P.S., NU S.H., & clean out flat tank. Drl DN thru cmt w/1 jnt tbg. Hard drlg to 4529'. Circ. btms up. SWIFN. **Daily Costs: \$3163.47. Cumulative Costs: \$46745.70.** 5/27/96-Drl DN thru cmt w/4 jnts tbg to 4623'. Drld thru cmt & circ. well clean. Pres test Csg to 1500 PSI. Bled DN to 100 PSI 10 min. LD P.S. & RIH w/25 jnts tbg to 5410'. SWIFN. **Daily Costs: \$3005.00. Cumulative Costs: \$49750.70.**

06/07/96 5/28/96-Run (1) std, tag cmt @ 5467'. Drl out cmt, tag plug @ 5700'. **Daily Costs: \$3200.00. Cumulative Costs: \$52950.70.** 5/29/96-Tag plug @ 5701' & started drlg on plug. Made no hole. TOO H & LD mill. Closed well in for night. **Daily Costs: \$2832.75. Cumulative Costs: \$55783.45.** 5/30/96-MU mill & drl collars. TIH w/tag plug @ 5701' & drl out. Trip DN to 7260' & tag cmt. Tried to circ. Pull 8 stds, circ., & drlg mud out of well. **Daily Costs: \$3553.50. Cumulative Costs: \$59336.95.** 5/31/96-Run back 8 stds, circ., & drl mud out. Tag cmt @ 7260', drl to 7271', tag plug, & circ. hole clean. **Daily Costs: \$4635.75. Cumulative Costs: \$63972.70.** 6/1/96-TOOH w/tbg & drl collars & mill. RU Schlumberger to log well. Run cmt bond log w/gamma ray & collars. Log to 7256'. RD logging unit. TIH w/tbg. RU swab and swabbed to 2100'. Lost swab & weight bars in hole. **Daily Costs: \$6124.75. Cumulative Costs: \$70097.45.** 6/2/96-MU swab, rope socket, weight bar, & started swabbing @ 2100'. Swab to 6100'. **Daily Costs: \$1879.00. Cumulative Costs: \$71976.45.** 6/3/96-Pull 500ft of tbg, set @ 6500'. RU Schlumberger to perf well @ 7205'-06'. Perforated well, run back tbg, well came in & flowed well to pit. **Daily Costs: \$3139.97. Cumulative Costs: \$75116.42.**

06/07/96 6/4/96-Flowed well to fit, tried to kill well & pumped 820 bbls DN Csg & Tbg. RU Dowell & pumped 219 bbls of wtr DN Tbg & Csg. Pump rate @ 4.32BPM @ 1870PSI. Well went from 1850 to 0 in 7 minutes. **Daily Costs: \$3685.00. Cumulative Costs: \$78801.42.** 6/5/96-Check PSI on Tbg & Csg. Had H2S school for 45 minutes on how to work in H2S gas. H2S test @ 600PPM in Tbg. Kill well. TOO H w/Tbg, MU overshot, TIH & caught swab bars. MU PKR & TIH. **Daily Costs: \$4541.80. Cumulative Costs: \$83343.22.** 6/6/96-Finished in hole w/PKR & set PKR @ 7172'. Pump rate to brake DN perf, squeeze perf @ 7205'-06'. Pressure test, squeeze to 1850', held pull, 1 std, circ. Well clean. TOO H w/PKR. MU mill & drl collars. TIH w/Tbg. **Daily Costs: \$10570.88. Cumulative Costs: \$93914.10.**

6/10/96 6/7/96-RU P.S., drl cmt @ 7190' to 7268', & circ. well clean. TOO H & LD tbg & DC's. ND BOP's & NU Wellhead. RD pump & tank. RD Service unit. **Daily Costs: \$4287.75. Cumulative Costs: \$98201.85.**

07/23/96 7/9/96-Ran Dipole Sonic Log. **Daily Costs: \$8458.87. Cumulative Costs: \$106660.72.**

07/24/96 7/17/96-Ran 182 jnts 7" Csg in the hole w/one shoe and set @ 7242.68' G.L., Using 1000sks "G" + 1% D-13 w/wtr. **Daily Costs: \$19121.94. Cumulative Costs: \$125782.66.**

RIVER GAS CORPORATION
ARCADIA TELONIS #1 D-2 (DISPOSAL WELL)
465' FSL & 560' FEL (REENTRY)
SE/4 of SE/4 Sec. 19, T14S, R09E SLB&M
Carbon County, Utah
Elevation: 6371'
API: 43-007-30093
Drilling Contractor: Ross's Well Service, Inc.

Page 3

07/26/96	Perforated 4" HEGS, used 2 guns, 4 shots per foot, total of 100 shots. Daily Costs: \$3034.25. Cumulative Costs: \$128816.91.
08/01/96	<p>7/29/96-Suresafe set up hydrogen sulfide monitoring equipment. Dowell mixed 190 KCL for step rate test. Daily Costs: \$1267.50. Cumulative Costs: \$130084.41. 7/30/96-RU Dowell pump equipment, RU Schlumberger Wireline & Suckline. Open wellhead and test for H2S & CO2. No H2S & 100% CO2. Surface pressure was 750psi. RIH w/tandem gauges & soft set @ 7165'. Attempt to get thru wellhead. NU sinker bars & RIH w/SPRO to 7079'. SPRO reading 2475.44/151.29°F @ 4:45pm. Daily Costs: \$8899.05. Cumulative Costs: \$138983.46. 7/31/96-POOH w/SPRO gauge @ 6:53am. Test revealed 2788bbls of fluid was needed to displace CO2 in hole. The perforations exhibited sub-hydrostatic characteristics @ 2BPM, pressure effects from pumping on the 1st step rate test suggested we were compressing the CO2. We continued @ 10 min. Increments. Second test conducted revealed a fracture extension pressure of 3680psi @ 5BPM F.G. = .52#/ft. Digital data of test are in file. Daily Costs: \$48745.40. Cumulative Costs: \$187728.86. 8/1/96-RU Dowell to conduct 24 hr. Injection test. Daily Costs: \$18123.55. Cumulative Costs: \$205852.41.</p>

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

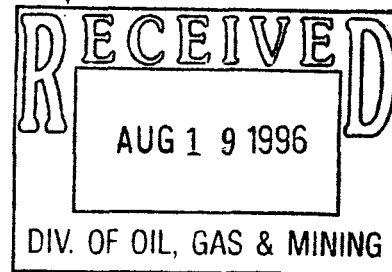
Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT— for such proposals

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other (specify) <u>Disposal Well</u>		6. Lease Designation and Serial Number <u>Patented</u>
2. Name of Operator <u>River Gas Corporation</u>		7. Indian Allottee or Tribe Name
3. Address of Operator <u>511 Energy Center Blvd. Northport, AL 35476</u>		8. Unit or Communitization Agreement
4. Telephone Number <u>(205) 759-3282</u>		9. Well Name and Number <u>Arcadia Telonis #1 (D2)</u>
5. Location of Well Footage : <u>465' FSL, 560' FEL</u> QQ, Sec. T., R., M. : <u>SESE Sec 19, T14S, R09E</u>		10. API Well Number <u>43-007-30093</u>
County : <u>Carbon</u> State : <u>UTAH</u>		11. Field and Pool, or Wildcat

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	
NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<input type="checkbox"/> Abandonment <input type="checkbox"/> New Construction <input type="checkbox"/> Casing Repair <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Recompletion <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Other _____	<input type="checkbox"/> Abandonment * <input type="checkbox"/> New Construction <input type="checkbox"/> Casing Repair <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Water Shut-Off <input checked="" type="checkbox"/> Other <u>Step Rate Test</u>
Approximate Date Work Will Start _____	Date of Work Completion <u>07/26/96</u> Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form. * Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

See Attachments



14. I hereby certify that the foregoing is true and correct

Name & Signature Dennis Plowman *Dennis Plowman*
(State Use Only)

Title Reservoir Technician Date 08/15/96

Follow-up sundry notice of activities completed

On 7/26/96, the D-2 disposal well was perforated with a 4" casing gun (4 SPF, .32 E.H., 19.49" Pen.). A pressure increase was realized after perforating and an attempt was made to blow the well down. The well was allowed to flow to the pit for a period of time. Carbon dioxide gas (CO₂) was measured at the wellhead with a trace of hydrogen sulfide gas (H₂S) present. The amount of H₂S gas increased the longer the well flowed which resulted in the decision to shut the well in. On 7/30/96, wireline and pumping service companies were rigged up to begin the scheduled step-rate test. Two quartz-type memory gauges were run in the hole to a depth of 7165'. A surface readout gauge was run in the hole on wireline to a depth of 7079' to allow real-time pressure monitoring during the step-rate test. Test began at 4:43 P.M. and pumping was concluded at 2:33 A.M. on 7/31/96. The pressure fall-off was recorded for 4 hours. At 6:30 A.M., the surface read-out gauge was pulled out of the hole and the well was shut in. Approximately 3870 barrels of water was pumped during the test at varying rates. At 7:30 A.M. on 8/1/96, pumping services were rigged up to conduct a 24 hour low rate injection test. The first rate pumped at 2 bpm for sixteen hours. This rate was chosen due to the subhydrostatic conditions realized during the step-rate test at rates less than 2 1/2 bpm. Our objective was to inject for a long term period to see if any surface pressure could be noticed. Surface pressures were not noticed until the 3 bpm rate was conducted. This rate was maintained for 6 hours with 180 psi. average surface pressure. For the next 3 hours the was adjusted up to 4 bpm. Surface pressures held relatively constant at 340 psi.. The final hour of pumping was done at 2 bpm. The surface pressure fell back to approximately 20-40 psi during this time period. When pumping stopped, the well quickly went on a vacuum. The well was shut in at 9:00 A.M. on 8/2/96 and the gauges were left in the hole to record long term fall-off. On 8/13/96, a slickline unit was rigged up and run in the to retrieve the gauges. The well is presently shut in.

SURESAFE INC.

421 WEST MAIN
RANGELY, CO 81648
Tel (970) 675-8660
Fax (970) 675-8855

John Hollingshed
Petroleum Engineer
River Gas Corp.
12031 Lake Nicol Rd.
Tuscaloosa, Al. 35406

Aug. 12, 1996

Re: SureSafe history with D-2

Dear John:

On 6-6-96 I received a call from L.G. Mosley and Billy Stacy asking me if I could come to Price, Ut. to check for H₂S and CO₂ levels in the D-2 water disposal well. 6-7-96 at 7:30 L.G. Mosley, Ross Well Service rig crew and myself, after noting surface pressure at 750 psi, opened up the well via blowdown line to the pit. It was obvious through testing and observation that the well had very high levels of CO₂ (in excess of 20%). The well had a fowl smell, however initially NO H₂S was detected. After flowing the well approximately 20 min. I began to detect low levels of H₂S. (10 to 20 ppm.) Both electronic and stain tubes were used in the testing. Under close supervision we flowed the well approximately 1.5 hr. The H₂S concentrations went from 10-20 ppm to 800ppm H₂S and shut in pressure of 750 psi.

River Gas Corp. management made the decision to H₂S field train All personal that came on location and kill the well.

Next to run a (9 5/8) Baker compression packer and squeeze off the perforations, and we did so. The rig crew ran back in the hole with a flat bottom mill and drilled out cement to the shoe. We then pressure tested the 9 5/8 casing and rolled the hole, (test held all remaining gas circulated to surface). Well activities were suspended until 7" H₂S treated casing was delivered to location.

7-8-96 Jerry Detz called SureSafe to be on D-2 location on 7-9-96 at 7:00am with all safety equipment for cased hole logging operations. NO H₂S or CO₂ were detected during that entire operation.

7-16 thru 7-19-96 L.G. Mosley, SureSafe, Pool Well Service, Casing Crew, Dowell Cement Crew were on location to run 7" casing and cement the well. The rig crew ran in the hole with a flat bottom mill and drilled out cement to casing shoe and tested. The rig crew pulled out of the hole and Schlumberger performed an bond log.

7-25 thru 7-27-96 Schlumberger perforated the well in the Navajo formation and pulled out of hole. The well remained dead until we were completely out of hole. Via blowdown line we opened the well to began flow test. The well started to come on about 15 min. after perforating. the well unloaded the 1000' of fluid that was above the perforations in about 4min. CO2 gas was (over 20%) immediate, H2S took 7min. to appear at concentrations of 25ppm. 2min. later H2S levels were at 800ppm and shut in pressure at 750 psi test concluded.

7-29 thru 8-1-96 John Hollingshed had Schlumberger Wireline and slickline run and install down hole gauges to monitor pressures and temperatures during breakdown and injection tests that were run in two 24 hr. tests with a 24 hr. shut down between. After the 24 hr. breakdown test and all other tests run NO gas was detected and the well was dead.

Please feel free to contact me at the number above if you have any questions regarding this matter.

Sincerely,



Allen Rice



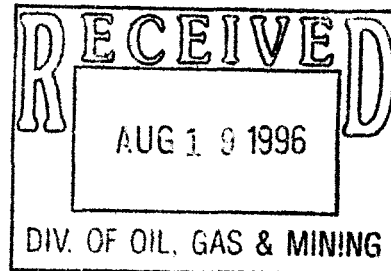
RIVER GAS CORPORATION

511 Energy Center Blvd.
Northport, Alabama 35476
Phone (205) 759-3282
Fax (205) 759-3188 (Accounting)
Fax (205) 758-5309 (Corporate)

August 12, 1996

Mr. Dan Jarvis
State of Utah
Department of Natural Resources
Division of Oil, Gas, and Mining
1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, UT 84114-5801

RE: Arcadia-Telonis D-2 Injection Application
SW/SW of Sec. 19, T14S, R9E
465' FWL, 560' FNL



Dear Dan,

Thank you for bringing the elevated TDS levels to my attention. I have included wellhead water analysis reports for the 24-16-18 and the 26-6-24. These are the two most recent water samples I could find in the North or West of the field. I hope this will be sufficient information for your report.

If I can be of any further assistance please do not hesitate to call, and thanks again for bringing this to my attention.

Sincerely,

A handwritten signature in cursive script that reads "Callen Hurtt".

Callen Hurtt

**WATER ANALYSIS REPORT
RIVER GAS**

COMPANY _____ ADDRESS _____ DATE **04-08-96**

SOURCE **24 WELLHEAD** DATE SAMPLED **04-04-96** ANALYSIS NO. _____

	Analysis	Mg/l (ppm)	*Meq/l
1. PH	<u>9.2</u>		
2. H ₂ S (Qualitative)	<u>0</u>		
3. Specific Gravity	<u>1.004</u>		
4. Dissolved Solids		<u>9,078</u>	
5. Suspended Solids			
6. Anaerobic Bacterial Count	_____ C/Ml		
7. Methyl Orange Alkalinity (CaCO ₃)			
8. Bicarbonate (HCO ₃)	HCO ₃ <u>4,500</u>	+61 <u>74</u>	HCO ₃
9. Chlorides (Cl)	Cl <u>1,750</u>	+35.5 <u>49</u>	Cl
10. Sulfates (SO ₄)	SO ₄ <u>0</u>	+48 <u>0</u>	SO ₄
11. Calcium (Ca)	Ca <u>24</u>	+20 <u>1</u>	Ca
12. Magnesium (Mg)	Mg <u>0</u>	+12.2 <u>0</u>	Mg
13. Total Hardness (CaCO ₃)		<u>60</u>	
14. Total Iron (Fe)		<u>0.9</u>	
15. Barium (Qualitative)			
16. Phosphate Residuals			

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

<div><div>I</div><div>0</div><div>122</div></div>	Ca	←	→	HCO ₃	<div><div>74</div><div>0</div><div>49</div></div>
	Mg	←	→	SO ₄	
	Na	←	→	Cl	

Saturation Values	Distilled Water 20°C				
CaCO ₃	13 Mg/l	Ca(HCO ₃) ₂	81.04	<u>1</u>	<u>81</u>
CaSO ₄ · 2H ₂ O	2,090 Mg/l	CaSO ₄	68.07		
MgCO ₃	103 Mg/l	CaCl ₂	55.50		
		Mg(HCO ₃) ₂	73.17		
		MgSO ₄	60.19		
		MgCl ₂	47.62		
		NaHCO ₃	84.00	<u>73</u>	<u>6,132</u>
		Na ₂ SO ₄	71.03		
		NaCl	58.46	<u>49</u>	<u>2,865</u>

Saturation Values

Distilled Water 20°C

CaCO₃

13 Mg/l

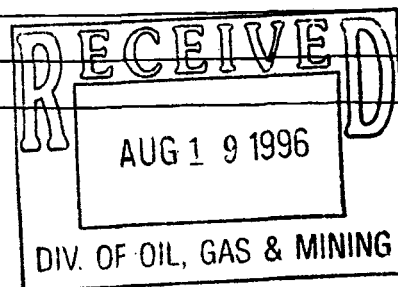
CaSO₄ · 2H₂O

2,090 Mg/l

MgCO₃

103 Mg/l

REMARKS **RESISTIVITY = 1.50 OHMS / METER @ 70° F**



WATER ANALYSIS REPORT
RIVER GAS

COMPANY _____ ADDRESS _____ DATE 04-08-96

SOURCE 18 WELLHEAD DATE SAMPLED 04-04-96 ANALYSIS NO. _____

	Analysis	Mg/l(ppm)	*Meq/l
1. PH	<u>8.5</u>		
2. H ₂ S (Qualitative)	<u>0</u>		
3. Specific Gravity	<u>1.003</u>		
4. Dissolved Solids		<u>7,156</u>	
5. Suspended Solids			
6. Anaerobic Bacterial Count			CMI
7. Methyl Orange Alkalinity (CaCO ₃)			
8. Bicarbonate (HCO ₃)		<u>3,400</u>	+61 <u>56</u> HCO ₃
9. Chlorides (Cl)		<u>1,500</u>	+35.5 <u>42</u> Cl
10. Sulfates (SO ₄)		<u>0</u>	+48 <u>0</u> SO ₄
11. Calcium (Ca)		<u>16</u>	+20 <u>1</u> Ca
12. Magnesium (Mg)		<u>2</u>	+12.2 <u>0</u> Mg
13. Total Hardness (CaCO ₃)		<u>50</u>	
14. Total Iron (Fe)		<u>1.1</u>	
15. Barium (Qualitative)			
16. Phosphate Residuals			

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

1	Ca	←	HCO ₃	56
0	Mg	→	SO ₄	0
97	Na	→	Cl	42

Saturation Values

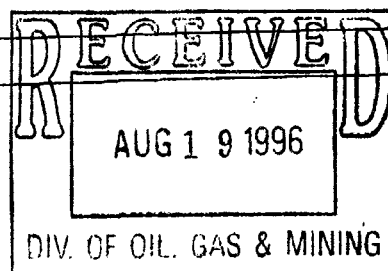
CaCO₃ 13 Mg/l
CaSO₄ · 2H₂O 2,090 Mg/l
MgCO₃ 103 Mg/l

Distilled Water 20°C

13 Mg/l
2,090 Mg/l
103 Mg/l

Compound	Eq. Wt.	X	Meq/l	=	Mg/l
Ca(HCO ₃) ₂	81.04	<u>1</u>			<u>81</u>
CaSO ₄	68.07				
CaCl ₂	55.50				
Mg(HCO ₃) ₂	73.17				
MgSO ₄	60.19				
MgCl ₂	47.62				
NaHCO ₃	84.00	<u>55</u>			<u>4,620</u>
Na ₂ SO ₄	71.03				
NaCl	58.46	<u>42</u>			<u>2,455</u>

REMARKS RESISTIVITY = 1.40 OHMS / METER @ 71° F





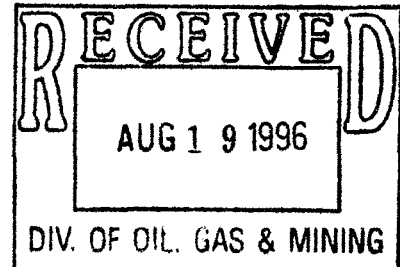
RIVER GAS CORPORATION

511 Energy Center Blvd.
Northport, Alabama 35476
Phone (205) 759-3282
Fax (205) 759-3188 (Accounting)
Fax (205) 758-5309 (Corporate)

August 12, 1996

Mr. Gil Hunt
State of Utah
Department of Natural Resources
Division of Oil, Gas, and Mining
1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, UT 84114-5801

RE: Arcadia-Telonis D-2 Injection Application
SW/SW of Sec. 19, T14S, R9E
465' FWL, 560' FNL



Dear Mr. Hunt:

Enclosed is an original and one copy of what remains to be submitted for the "Application for Injection" on the well described above. Please add the following information to your files.

- Attachment #1 - Statement regarding logs
- Attachment #2 - Statement as to fluid types
- Attachment #3 - Fracture extension pressure
- Attachment #4 - Proposed maximum and average injection pressures

If I can be of any assistance please do not hesitate to call.

Sincerely,

A handwritten signature in cursive script that reads "Callen Hurtt".

Callen Hurtt

Attachment #1

2.2

Logs should be on file with the state from October 29, 1983. Dual Induction-SFL, caliper, and gamma ray logs would have been submitted by Arcadia Refinery Company.

Attachment #2

2.7

1. The fluid to be injected will be produced water from the Ferron Coal Group. While none of the water to be injected has been produced to date it is anticipated that produced water will be similar in composition to that found in the rest of the field. As soon as the new wells are producing water analyses will be submitted.
2. Two unsuccessful attempts have been made to retrieve fluid samples from the Navajo "A" Sand in the D-2. On both attempts the well produced Carbon Dioxide (CO₂) gas in significant quantities without any trace of water being realized.
3. Carbon Dioxide (CO₂) is a highly compressible gas which should allow the injection of produced fluids to occur easily. The produced fluids and the CO₂ should be compatible.

*Note: During our attempts to recover fluid samples from the Navajo "A" Sand in D-2, a small percentage of Hydrogen Sulfide Gas (H₂S) was present. The maximum percentage realized was .08% (800ppm). A H₂S contingency plan is being formulated for company personnel who will be working on D-2. A copy of this plan will be forwarded to your office when it is completed.

Attachment #3

2.9

Per attached analysis of the D-2 Step Rate Test in the Navajo "A" Sand, the fracture extension pressure at a Mid-Perf depth of 7247.5 feet was 3758 psi. This pressure translates into a gradient of $.519 \text{ psi/ft}$.

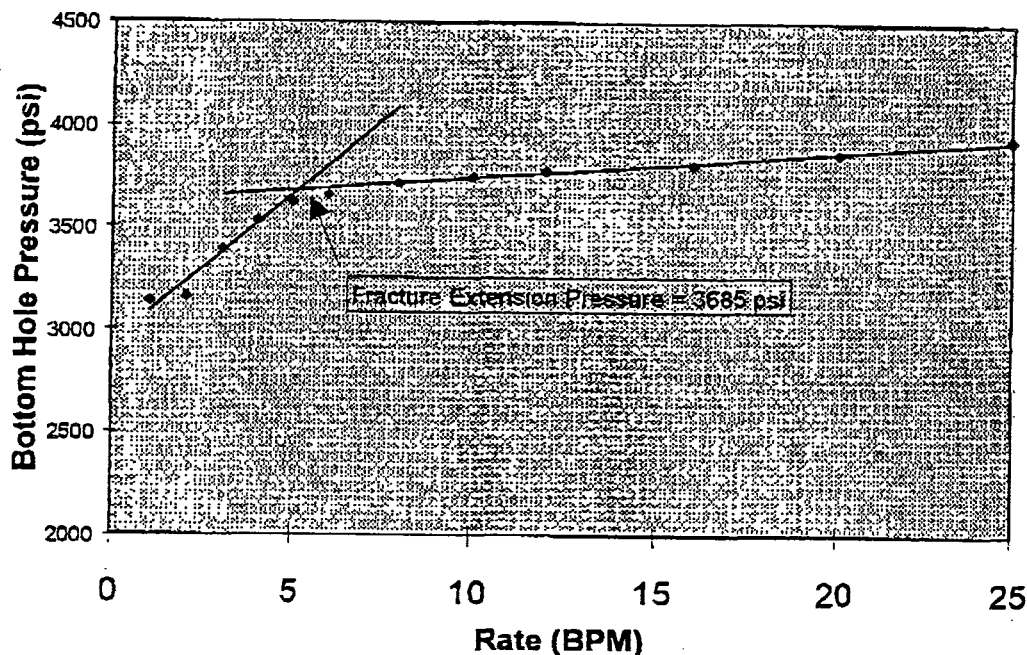
Analysis of Step-Rate Test in the Navajo A Sand in Well D2

Prepared by Michael W. Conway, STIM-LAB, Inc.

On July 30, 1996, a step rate test was conducted to determine the fracture parting pressure and injection capacity into well D2. A bottom hole pressure gauge was set at 7079 feet and the well was perforated with 4 shots/ft. from 7235-60 feet.

Water was injected at various rates to determine the fracture parting pressure. A plot of the pressure data recorded at 7079 feet versus rate is given in figure 1. The fracture extension pressure was 3685 psi which would be 3758 psi at the mid-perf depth of 7247.5 ft or a parting pressure gradient of 0.519 psi/ft. This corresponds to a surface pressure of 620 psi.

Figure 1: Step Rate Test in Navajo A in D-2



Currently, the well is shut-in with a bottom hole pressure gauge to record the pressure decline. As soon as it is retrieved, the permeability of the Navajo A Sand will be determined from the analysis of the pressure decline.

Attachment #4

2.8

The proposed maximum and average injection pressures are:

$$\begin{array}{rcl} \text{-Max Pressure:} & 7247.5' \times .5185 \text{ psi/ft} & = 3758 \\ & 7247.5' \times .433 \text{ psi/ft} & = \underline{3138} \\ & & 620 \text{ psi} \end{array}$$

620 psi is the maximum pressure being requested.

610 psi is the average injection pressure being requested.

DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM

**PERMIT
STATEMENT OF BASIS**

Applicant: River Gas Corporation

Well: Utah D-2

Location: Sec. 19, T14S, R9E,
Carbon, County

API: 43-007-30093

Ownership Issues:

The well is located on private land . Mineral ownership is the same as surface. The oil and gas lessee is River Gas Corp., no other mineral lessee of record according to affidavit of River Gas. Notice to all owners and surface owners within a half mile radius was given by River Gas. Surface and mineral owners within the one-half mile radius are a mixture of private individuals, the federal government, and Carbon County. The notice was published in the Salt Lake Tribune, Deseret News, and the Sun Advocate. A copy of the notice was mailed to the BLM in Price, and the EPA.

Well Integrity:

This well was originally permitted as a salt water disposal well for Texaco. Water was injected into the Morrison Formation until Texaco abandoned the project. A 13 3/8" surface casing was set at 1072 feet and was cemented to surface with 1105 sks of cement. A 12 1/4" hole was drilled to 7380 feet and cemented in two stages to surface with 2955 sks of cement. The original injection perms are at a depth of 4545-4574 feet. Texaco stimulated and production tested a zone in the Ferron sandstone at 2806-2814 feet. A bond log was run on March 30, 1996, for the 9-5/8" casing. This log shows intermittent sections of excellent to good bonding up to about 2750 feet, above which bonding is fair to poor. An Ultra Sonic Imager Cement Evaluation log was run on April 3, 1996, for the 7" casing. It shows evidence of cement in place up to 462 feet which was the fluid level above which could not be logged. The cement quality varies with some channeling evident but should be more than adequate to isolate the injection interval. A pressure test was performed on the well on April 19, 1996, 2000+ psi was held for about 30 minutes with no bleed off.

Ground Water Protection:

Water contained in subsurface strata in the vicinity is of poor quality, as would be predicted, mostly due to distance from recharge and the presence of evaporites in adjacent and intervening formations. A sample of injection water from the Ferron

producing zones provided in the application shows total dissolved solids content of 8,402 mg/l.

The Navajo Sandstone in the subject well was perforated at 7205-7206 feet and carbon dioxide (CO₂) with some hydrogen sulfide gas was encountered. Subsequently a zone at 7235-7260 feet was perforated and again only sour carbon dioxide gas was encountered. No water was present in either zone. The Navajo is a known fresh water aquifer at many locations in the state. In the general San Rafael Swell area, the quality of water in the Navajo is generally of higher quality nearer the outcrop and recharge areas and poorer with increased depth and distance from recharge (DNR Tech. Pub. 78). This premise has been verified with samples taken from other wells along the flow path. The planned

injection of Ferron production water into the Navajo at this location will not degrade any USDW's considering that no water has been encountered in either zone tested.

Injection of produced water into the Navajo/Wingate Sandstones at this location is predicted to have little effect on the overall hydrology of the aquifers because of their great extent compared to the volume of fluid that will likely be injected. According to USGS investigation (Tech. Pub. 78), the Navajo contains in the neighborhood of 94,000,000 acre-feet of water in transient storage. Injection at a rate of 15,000 barrels per day for 10 years would result in 6506 acre-feet of water being injected. This equates to about .007% of the water already in storage in the Navajo. At the Drunkards Wash Unit experience has shown that after injection into the Navajo/Wingate for almost three years (~ 3,000,000 barrels) a well drilled approximately 3 miles away (south) showed negligible pressure increase in the Navajo attributable to the injection.

It is our conclusion after reviewing applicable information including the application submitted by River Gas, that injection into the Navajo Sandstone at this location would result in a pressure increase near the well which would dissipate after injection ceases. No long term negative impacts are anticipated as a result of injection of produced water into the subject well.

Oil/Gas & Other Mineral Resources Protection:

The Ferron coal/gas zone is protected by tubing, two strings of casing and cement. No other known potentially producible zones were encountered by the well. The injection zone is isolated some 4400 feet below the productive interval. The extent of the CO₂ resource is not known. However, the fact that it contains H₂S makes it unattractive for development even if a market was available.

Statement of Basis
D-2 Well

Bonding:

River Gas has a blanket bond posted with the Division to cover fee lands.

Actions Taken and Further Approvals Needed:

Proper notice was given as required and no objections were received. Approval of the application is recommended based on the information reviewed and summarized above. It is also recommended that a H₂S safety plan be developed and implemented any time workover operations are commenced on this well. This should be made a condition of the permit issued.

Reviewer(s): D.Jarvis & G. Hunt Date: 8-13-96



RIVER GAS CORPORATION

511 Energy Center Blvd.
Northport, Alabama 35476
Phone (205) 759-3282
Fax (205) 759-3188 (Accounting)
Fax (205) 758-5309 (Corporate)

August 14, 1996

Mr. Dan Jarvis
Utah Div. of Oil, Gas, & Mining
1594 West North Temple
Salt Lake City, Utah 84114-5801

Dear Dan:

Enclosed is a structure map based off the top of the Navajo, as well as a generalized west - east cross-section of the Jurassic section across our lease acreage. As you know, data is very limited, but there seems to be an indication that the structural orientation of the Navajo and younger formations may be somewhat similar to that of Cretaceous-aged strata.

As you can see, the cross-section is not very detailed, and there is no indication of an existing structure or closure present which might create a gas-bearing target. However, Texaco had no seismic maps on the Navajo, and its possible that faults could be present at this horizon.

Please call me if I can help in any way.

Sincerely,

A handwritten signature in black ink, appearing to be "TB" or a stylized "Terry Burns".

Terry Burns



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

UNDERGROUND INJECTION CONTROL PERMIT

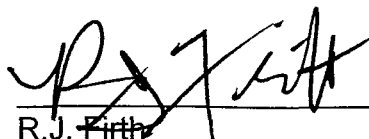
Cause No. UIC-175

Operator: River Gas Corporation
Wells: Arcadia-Telonis D-2 Well
Location: Section 19, Township 14 South, Range 9 East, Carbon County
API No.: 43-007-30093
Well Type: Disposal

Stipulations of Permit Approval

1. Approval to convert to injection issued on August 23, 1996.
2. Maximum Allowable Injection Pressure: 620 psig (surface pressure).
3. Maximum Allowable Injection Rate: (limited by maximum pressure).
4. Injection Interval: From 7235 feet to 7260 feet (Navajo Formation), any additional interval which is still within the noticed interval of 7200 feet to 7700 feet, must be properly tested and approved by the Division prior to injection.
5. River Gas Corporation must develop an H₂S safety plan for this well and it must be implemented whenever workover operations are commenced.

Approved by:


R.J. Firth
Associate Director, Oil and Gas

8/26/96
Date





State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

August 23, 1996

River Gas Corporation
511 Energy Center Blvd.
Northport, Alabama 35476

Re: Arcadia Telonis D-2 Well, Section 19, Township 14 South, Range 9 East,
Carbon County, Utah

Gentlemen:

Pursuant to Utah Admin. Code R.649-5-3-3, the Division of Oil, Gas and Mining issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements regarding operation, maintenance and reporting for Class II injection wells pursuant to Utah Admin. Code R.649-1 et seq.
2. Conformance with all construction and operation requirements as outlined in the complete application submitted by River Gas Corporation.
3. Future operation of the well shall be done in accordance with the Underground Injection Control Permit and Stipulations issued by this office.

If you have any questions regarding this approval or the necessary requirements please contact Dan Jarvis at this office.

Sincerely,


R. J. Pirth
Associate Director

lwp

cc: Dan Jackson, Environmental Protection Agency
BLM, Price Office



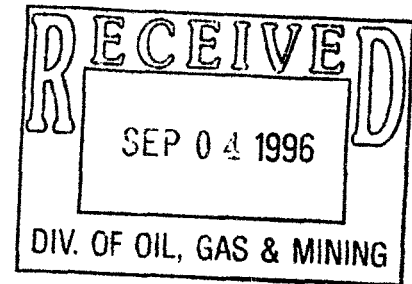


RIVER GAS CORPORATION

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August 23, 1996

Mr. Gil Hunt
State of Utah
Department of Natural Resources
Division of Oil, Gas, and Mining
3 Triad Center
Ste. 350
Salt Lake City, Ut 84180-1203



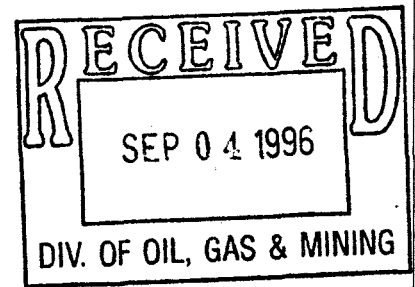
Dear Mr. Gil Hunt:

Pursuant to your recent request, enclosed is the H2S contingency plan for all River Gas employees who will be working around the D-2 disposal well. Please contact myself or Mr. Fornie Hughes, our safety manager, should your review find the plan lacking of any important issues that need to be addressed in greater detail.

Most Cordially,

A handwritten signature in cursive script, reading "John Hollingshead".

John Hollingshead
Reservoir Engineer



RIVER GAS CORPORATION INC.

H2S CONTINGENCY PLAN

Revised August 8, 1996

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Use of Self-Contained Breathing Equipment	
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DISCUSSION OF PLAN

INTRODUCTION:

This plan outlines the precautionary and emergency procedures, safety equipment and responsibilities pertaining to the drilling of this well. Copies of this plan are located in the company representative's trailer, the toolpusher's trailer, in the doghouse, and in the SureSafe Office, Rangely, CO.

SUSPECTED HYDROGEN SULFIDE ZONES:

The H₂S Bearing Zone, expected at 9,000 to 10,000 feet may contain Hydrogen Sulfide, a toxic gas.

IMPLEMENTATION:

This plan, with all details, is to be fully implemented before drilling below or 1,000 feet above the top of the H₂S Bearing Zone.

EMERGENCY RESPONSE PROCEDURE:

This section outlines the conditions and denotes steps to be taken in the event of an emergency.

EMERGENCY EQUIPMENT AND PROCEDURE:

This section outlines the safety and emergency equipment that will be required for the drilling of this well.

TRAINING PROVISIONS:

This section outlines the training provisions that must be adhered to prior to drilling in the H₂S Bearing Zone.

EMERGENCY CALL LISTS:

Included are the required emergency call lists.

PUBLIC SAFETY:

The public safety personnel have been contacted and made aware of the drilling of this well.

SPECIAL OPERATIONS:

In the event that any special operations, such as testing or coring are performed, a special written prognosis will be distributed to all affected personnel.

CHECK LISTS:

Status Check Lists and Procedural Check Lists have been included to insure adherence to this Plan.

GENERAL INFORMATION:

A General Information Section has been included to supply information that may be needed in the event of an emergency.

WELL COMPLETION:

In the event that a completion is attempted on this well, this plan will be extended to include those portions of the completion operation in which H₂S gas will be a potential hazard, specifically immediately before and all subsequent operations thereafter the perforating of the H₂S Bearing Zone. In the event the drilling rig is released and workover rig is moved in, the plan and equipment will be appropriately modified to encompass workover crews, service personnel and well completion equipment.

LOCATION LAYOUT

The Drilling Rig will be situated on location such that the prevailing winds blow across the rig toward the reserve pit.

The entrance to the location will be designated that it can be barricaded if Hydrogen Sulfide emergency conditions arise. An auxiliary exit will be available so that in case of a catastrophe, a shift in wind direction would not preclude escape from the location.

A minimum of two Briefing Areas will be established, not less than 150 feet, or as practical from the wellhead and in such a location that at least one area will be upwind of the well at all times. Upon recognition of an emergency situation, all personnel should assemble at the designated Briefing Areas for instructions.

A Safety Equipment Trailer will be stationed at one of the Briefing Areas. A wind streamer will be attached near the trailer to indicate the direction. It is required that the Safety Equipment Trailer consist of a cascade air supply with cylinders; 600 feet of low pressure air line hose; two low pressure manifolds; six hoseline units; cylinders, six 30-minute self-contained units; 5 escape units; three windsocks; first aid kit; fire extinguisher; flare gun and pump type gas detector.

The mud logging trailer will be located away from the shale shaker mud tank and a minimum of 125 feet from the wellbore. The mud logger will also provide backup H₂S Detection equipment.

Shale Shaker mud tanks will be located so as to minimize the danger from gas that breaks out of the drilling mud fluid.

Electric power plant will be located as far from the wellbore as practical so that it may be used under conditions where it would otherwise have to be shut down.

All windbreakers and rig curtains will be removed from around the derrick floor and monkey board, regardless of weather conditions, and when drilling approaches, any zone which may contain Hydrogen Sulfide.

Appropriate smoking areas will be designated and smoking will be prohibited elsewhere.

A minimum of three (3) H₂S detectors will be installed - one on the bell nipple, one on the shale shaker, and one on the rig floor.

The position of the SKA-PAKS will be placed on location for the convenience of normal drilling operations and for emergency situations.

1. Six SKA-PAKS will be located on rig floor, with hoselines and manifolds.
2. Four escape units will be placed in the top dog house.
3. One escape unit will be located in the derrick for derrick hands.
4. One 30-minute rescue unit at the Company Man's trailer.
5. One 30-minute rescue unit at the Toolpusher's trailer.
6. Two 30-minute rescue units at Briefing Area #1 (trailer).
7. Two 30-minute rescue units at Briefing Area #2.

The windsocks will be at the appropriate locations for visibility as follows:

1. Out the V-Door.
2. At the Briefing Area #1 (trailer).
3. At the mud pits.

SAFETY

It is the Operator's Policy, in all operations, to do everything possible to insure the safety of its employees and contractor employees on the job site; and further, to provide for the safety and comfort of persons near the operation by protecting the environment to the fullest degree possible.

The primary purpose of the procedures outlined herein is to guide the personnel on location in the event that Hydrogen Sulfide (H₂S) reaches the surface. **TO PROTECT THEIR OWN SAFETY AND THE SAFETY OF OTHERS, ALL PERSONNEL ON THE JOB SITE WILL RIGIDLY ADHERE TO THIS PLAN.**

PRIME RESPONSIBILITIES

In the event of a release of potentially hazardous amounts of H₂S, all personnel will immediately proceed upwind to the nearest designated safe area and don their protective breathing equipment. The Operator's Representative will immediately, upon assessing the situation, set this plan into action by taking the proper procedures to contain the gas and notify the appropriate people and agencies.

DRILLING PROGNOSIS & H₂S CONTINGENCY PLAN

EMERGENCY PROCEDURE

- A. In the event of any evidence of H₂S levels above 15 ppm, take the following steps immediately:
1. Mask up
 2. Order non-essential personnel out of the danger zone.
 3. Take steps to determine if the H₂S level can be corrected or suppressed.
 4. Takes steps to protect and/or remove any public in the down-wind area from the rig. Partial evacuation and isolation. Notify public safety of the situation.
- B. If loss of well occurs:
1. Remove all personnel to safe breathing area.
 2. Determine if the well should or could be ignited.
 3. Notify public safety for establishment of road block.
 4. Evacuate public from area of exposure.
 5. Proceed with best plan (at the time) to regain control of the well. Maintain right security and safety procedures.
- C. Responsibility:
1. Company Representative:
 - a. Shall be responsible for the total implementation of this plan.
 - b. Shall be on location at all times while drilling the H₂S zone.
 - c. Shall be in complete command during any emergency.
 - d. Shall designate a back-up.

SIMULATED BLOWOUT CONTROL DRILLS

All drills will be initiated by raising the float on the pit level device, or equivalent, or be activating alarm device (air horn). **One-long-blast** on air horn for **actual or simulated** blowout control drills. This operation will be performed by the Toolpusher or superintendent once each week for each of the following conditions with each crew:

Drill 1 On Bottom Drilling

Drill 2 Tripping Drill Pipe

In each of these drills, the initial reaction time to shutting in the well shall be timed, as well as the total time for the crew to complete its entire pit drill assignment. This will be recorded on the IADC Driller's Log as "Blowout Control Drill".

Drill No. _____
Reaction Time to Shut in _____ min. _____ sec.
Total time to complete assignment _____ min. _____ sec.

DRILL NO. 1 - ON BOTTOM DRILLING

1. Sound the alarm immediately.
2. Stop the rotary and hoist kelly joint above the rotary table.
3. Stop the circulating pump.
4. Close hydrill.
5. Record casing and drill pipe shut in pressures and pit volume increase.

DRILL NO. 2 - TRIPPING DRILL PIPE

1. Sound the alarm immediately.
2. Position the upper tool joint just above the rotary table, set slips.
3. Install a full opening valve or inside blowout preventor tool to close the drill pipe.
4. Close drill pipe rams or annular preventors.
5. Record the shut in annular pressure.

EMERGENCY REACTION STEPS

ALL PERSONNEL:	1.	On light Alarm - Secure breathing equipment	Same
	2.	On audio Alarm - Mask up	Same
	3.	Check Status of Personnel (Buddy System)	Same
	4.	Be sure rig audio system on at all stations	Same
	5.	Be ready to signal safety engineer if any aid needed	Same
CO. REPRESENTATIVE:	1.	Report to rig floor	Same
	2.	Assess situation and take control measure	Same
TOOL PUSHER:	1.	Report to rig floor	Same
	2.	Assess situation and take control measure	Same
DRILLER:	1.	Notify Toolpusher & Co. Rep.	Same
	2.	Pick up off bottom check for flow	Same
	3.	Follow standard BOP drill procedures	Same
	4.	Check status & location of all rig personnel	Same
DERRICK MAN:	1.	Report to Mud Hopper	Secure mask-be prepared to mask Stand by & follow BOP procedure
	2.	Line both pumps on well	
	3.	Mask up and ignite flare	
	4.	Be prepared to mix mud for kill operations	
MOTOR MAN:	1.	Report to closing unit	Make sure you are in view of safety Engineer. Mask up & ignite flare. Return to closing unit & stand by for instructions
	2.	Stand by for closing instructions	
	3.	Keep derrick man in view	
FLOOR MAN #1:	1.	Report to BOP drill station choke	Same
	2.	Make sure valve set up on manifold will put mud through mud-gas separator	Same
FLOOR MAN #2:	1.	Secure and be ready to stab inside	Same

		string BOP	
	2.	Blockade entrance to location NO UNAUTHORIZED PERSONNEL will be allowed entry	Same
MUD LOGGER:	1.	Secure mask	Same
	2.	Open trailer door	Same
	3.	Check gas status and report same to floor	Same
MUD ENGINEER:	1.	Begin checking mud for PH and H2S level	Same
SAFETY ENGINEER:	1.	Mask up and check status of all personnel	Same
SAFETY PERSONNEL:	1.	Secure operations as instructed by Co. Representative and report to briefing area	Same
	2.	Notify Public Safety Authorities and residents affected as instructed by Co. Representative	Same

CORING AND PULLING CORE

Follow same tripping procedures as above. All floor personnel should mask up 3 stands off bottom when pulling core. Safety Engineer should check core barrel and core as it is layed out.

Remain masked up until Safety Engineer advises condition safe.

OPEN HOLE LOGGING

All unnecessary personnel off floor. Safety Engineer should monitor condition, advise status and determine need for use of aid equipment.

RUNNING CASING OR PLUGGING

Follow same procedure as tripping. Safety Engineer should determine if all personnel have access to protective equipment.

BLOWOUT CONTROL DRILL NO. 1

RIG CREW ASSIGNMENTS - ON BOTTOM DRILLING

Initiate the drill by lifting a pit level device float, or equivalent, or by activating alarm device (air horn). One long blast on air horn for actual or simulated blowout control drills. Time should be less than one minute for reaction time to shut in and less than three minutes for assignments to be completed.

DRILLER'S ASSIGNMENT:

1. Sound the alarm immediately.
2. Stop the rotary and hoist kelly joint above the rotary table.
3. Stop the circulating pump.
4. Close the hydril.
5. Open valve at stack to allow pressure to be read at manifold and relieve if necessary.
6. Record the shut in drill pipe pressure.
7. Record the shut in annulus pressure.
8. Record all data reported by the crew.
9. Check all pressure and volume readings.
10. Determine the mud weight increase needed or course of action.

DERRICKMAN'S ASSIGNMENT:

1. Set markers in all pits and estimate (see attached form for circulating tank and mud volume) fluid gain.
2. Estimate additional volume of mud that pits will contain before overflowing.
3. Weigh the mud in the suction pit.
4. Report to the driller with fluid volumes and mud weight.

NUMBER ONE ROTARY HELPER ASSIGNMENT:

1. Check all valves on choke manifold and BOP stack. All appropriate valves should be closed.
2. Check for leaks on BOP stack and choke manifold.
3. Check flowline and choke exhaust lines for flow.
4. Read accumulator pressure.
5. Report to driller.

NUMBER TWO ROTARY HELPER ASSIGNMENT:

1. Notify the toolpusher and operator's representative.
2. Check for open fires and extinguish them.
3. Stop all welding operations.
4. Turn off derrick light, floor lights, pipe rack lights and under floor lights.
5. Report to driller.

TOOLPUSHER ASSIGNMENT:

1. Report to the floor.
2. Have meeting with all crew.
3. Compile and summarize all information.
4. Calculate proper kill weight from kill sheet or Table V.
5. See that proper well kill procedures in the Driller's method of blowout control are put into action.

BLOWOUT CONTROL DRILL NO. 2

RIG CREW ASSIGNMENTS - TRIPPING PIPE

Initiate the drill by lifting a pit level device float or equivalent or activate alarm device.

Times should be less than one minute for reaction time to shut in and less than three minutes for assignment to be completed.

DRILLER'S ASSIGNMENT:

1. Sound the alarm immediately when mud volume increase has been detected.
2. Position the upper tool joint just above the rotary table and set slips.
3. Install a full opening valve inside blowout preventor tool to close the drill pipe.
4. Close the drill pipe rams.
5. Record shut in annular pressure.
6. Record all data reported by the crew.
7. Check all pressure and volume readings.
8. Determine the course of action.

DERRICKMAN'S ASSIGNMENT:

1. Remain in the derrick and be prepared to go back into hole.

NUMBER ONE ROTARY HELPER ASSIGNMENT:

1. Pick up full opening valve or inside flowout preventor and stab into tool joint above rotary table (with No. 2 helper).
2. Tighten valve with make up tongs.

3. Check all valves on choke manifold and BOP stack. All appropriate valves should be closed.
4. Check for leaks on BOP stack and choke manifold.
5. Check flowline and exhaust lines for flow.
6. Read accumulator pressure and check for possible high pressure fluid leaks in valves or piping.
7. Report to driller.

NUMBER TWO ROTARY HELPER ASSIGNMENT:

1. Pick up full opening valve or inside blowout preventor and stab into tool joint above rotary table (with No. 1 helper).
2. Position back up tongs on drill pipe.
3. Notify the toolpusher and superintendent, if present.
4. Check for open fires and extinguish them.
5. Stop all welding operations.
6. Report to driller.

TOOLPUSHER'S ASSIGNMENT:

1. Report to floor (if present).
2. Have meeting with all crews.
3. Compile and summarize all information.
4. Calculate proper kill weight.
5. See that proper well kill procedures are put into action.

MUD PIT CAPACITIES

RECTANGULAR MUD PIT:

$$\text{Volume (bbl)} = \frac{\text{Length (ft.)} \cdot \text{Width (ft.)} \cdot \text{Depth (ft.)}}{5.6}$$

or, $\text{Volume (bbl)} = \text{Length (ft.)} \cdot \text{Width (ft.)} \cdot \text{Depth (ft.)} \cdot 0.178$

PIT WITH SLOPING SIDES:

$$\text{Average Width} = \frac{\text{Width at Top} + \text{Width on Bottom}}{2}$$

$$\text{Volume} = \frac{\text{Length} \cdot \text{Width (avg.)} \cdot \text{Depth}}{5.6}$$

PIT WITH VERTICAL AND SLOPING SIDES:

Treat as Rectangular Pit

TREAT AS PIT WITH SLOPING SIDES

EARTHEN PIT:

$$\text{Average Width} = \frac{\text{Width at Mud level} + \text{Width Across Bottom}}{2}$$

$$\text{Average Length} = \frac{\text{Length at Mud Level} + \text{Length Across Bottom}}{2}$$

Estimate Average Length and Width

Estimate Average Depth considering the depth of cuttings and sand settled out.

$$\text{Volume (bbl)} = \frac{\text{Length (avg.)} \cdot \text{Width (avg.)} \cdot \text{Depth (avg.)}}{5.6}$$

WELL KILLING WORK SHEET

DRILLER'S METHOD

1. RECORDED INFORMATION

- A. Casing Size: _____ Depth: _____ ft.
- B. Rated casing burst: _____ psi.
- Mas. allowable pressure set by operator: _____ psi.
(use lower figure)
- C. Circulating pressure (P_n _____ psi.
- Pumping Rate _____ SPM
(Normal Drilling Circulation Rate)
- D. Reduced Circulating Pressure (P_r _____ psi.
Rate: _____ SPM.

2. STOP PUMP AND CLOSE WELL COMPLETELY

Allow pressures to Stabilize

Do not let casing pressure exceed lowest of 1-B. If pressure builds to this value, circulate at highest allowed casing pressure and use low choke pressure method to kill the well.

- A. Drill pipe pressure (P_{dp}) _____ psi.
- B. Annulus Pressure (P_a) _____ psi.
- C. Mud Density ($L_n DP$) (W_1) _____ ppg.
- D. Drill String Length (D) _____ ft.
- E. Pit Gain _____ Bbls.

3. SET CIRCULATING RATE AND PRESSURES TO CLEAN WELL

- A. Start pump and simultaneously open choke. Pressure on the choke initially should be in the shut-in casing pressure and this pressure should be maintained while the pump speed comes up to the desired strokes per minute.

- B. Adjust choke to obtain Pa psi and to obtain drill pipe pressure or $Pr + PdP$ psi. Use adjusted reduced circulating pressure Pr and rate of pumping from 1-D.
- C. Record: Circulating DP pressure _____ psi
Rate _____ SPM
- D. Maintain pump rate constant at the selected reduced speed and maintain CONSTANT DRILL PIPE PRESSURE. If drill pipe pressure increases, open choke - if it decreases, close the choke slightly.
- E. When the well is free of gas, oil, or saltwater, stop pump and close well. At this time, the annulus and drill pipe pressure should be the same as original closed in DP pressure, Pdp.
- F. Record new annulus pressure (Pa) _____ psi.

4. MUD DENSITY TO KILL WELL

- A. The mud density increase needed is calculated from the recorded information of Step 2.

$$W = 20 \times Pdp = 20 \times (\quad) = \quad \text{ppg}$$

- B. Required Mud Density:

$$Wr = W1 + W = \quad + \quad \text{ppg}$$

$$= \quad \text{ppg}$$

5. DECREASE SURFACE MUD SYSTEM TO REQUIRED DENSITY

(If mud weighing can be done in separate pit, it should be started at step 3.)

6. SET CIRCULATING RATE AND PRESSURES TO KILL WELL

- A. Start pump and simultaneously open choke. Pressure on the choke initially should be the shut in casing pressure 3-F and this pressure should be maintained while the pump need comes up to the desired strokes per minute.

- B. Adjust choke to hold the new Pa and hold constant until the drill pipe is full of the required density mud.
- C. After drill pipe is full of the required density mud, record drill pipe pressure and hold pump rate and DRILL PIPE PRESSURE CONSTANT by varying choke size until the annulus is filled with new mud.
- D. When required weight reaches surface, choke pressures, if any, are bled off. Stop circulating and check for flow.

LEAK IGNITION

The following procedure will be followed to ignite a leak in the event it becomes necessary to protect the public.

1. Two men wearing self-contained, pressure demand air masks must determine the perimeter of the flammable area. This should be done with one man using an H₂S detector and the other one using a flammable gas detector. The flammable perimeter should be established at 30% to 40% of the lower flammable limits.
2. After the flammable perimeter is established and all employees and citizens are removed from the area, the ignition team should move to the up-wind side to the leak perimeter and fire a flare into the area. If the leak is not ignited on the first attempt, move in 20 to 30 feet and fire again. Continue moving in the firing until the leak is ignited or the flammable gas detector indicates the ignition team is moving into hazardous area (75% - 80% of lower flammable limits). If trouble is incurred in ignition by firing toward the leak, try firing 45 to 90 degrees to each side of the area where you have been firing. If ignition is still not accomplished, ignite the copper line burner and push it into the leak area. This should accomplish ignition.

If ignition is not possible due to the make-up of the gas, the toxic leak perimeter must be established and maintained to insure evacuation is completed and continues until the emergency is secured.

3. The following equipment and manpower is required to support the ignition team:
 - a) Two men in a clear area equipped with air packs, who are capable of rescuing the ignition team.
 - b) One 25mm flare gun or one sawed off 12 gauge shotgun.
 - c) Four pressure demand air packs.
 - d) Two 250' lengths of 3/8" nylon rope tied to the waists of the ignition team.
 - e) Portable butane bottle with 100' of copper line attached to a burner.

IGNITING THE WELL

RESPONSIBILITY

The decision to ignite the well is the responsibility of the operator's representative.

In the event he is incapacitated or unavailable, it becomes the responsibility of the contract's rig superintendent.

This decision should be made only as a last resort and in a situation where it is clear that:

1. Human life and property are endangered.
2. There is no hope of controlling the flowout under the prevailing conditions at the well.

All concerned should be notified as soon as possible.

Initiate the first phase of evacuation.

INSTRUCTIONS FOR IGNITING THE WELL

1. Two (2) people are required for the actual igniting operation.

They must wear self-contained breathing units and have safety rope attached. One (1) man will check the atmosphere for explosive gases with the explosimeter, and the other man is responsible for igniting the well.
2. Primary method to ignite - 25mm meteor type flare gun with a range of approximately 500 feet.
3. Ignite up-wind and do not approach any closer than warranted.
4. Select the ignition site best for protection.
5. Select area for hasty retreat.
6. BEFORE FIRING, check regarding combustible gases.
7. Since Hydrogen Sulfide converts to Sulfur Dioxide after burning, the area **IS NOT SAFE AFTER IGNITING THE WELL.**
8. After igniting, continue emergency action and procedure as before.

9. All unassigned personnel will limit their actions ONLY to those directed by the Company Representative.

REMEMBER: After the well is ignited, burning Hydrogen Sulfide will convert to Sulfur Dioxide, which is also highly toxic. DO NOT ASSUME THE AREA IS SAFE AFTER THE WELL IS IGNITED.

TRAINING

Every person at the location working in any capacity will be required to review the emergency procedures and will participate in the training program.

SureSafe, Inc. personnel will direct the training program to indoctrinate all persons on the location in the proper use of safety equipment.

The Safety Engineer will work individually with each member until he is satisfied that the crew member is trained perfect in the above. This will be done after the above school and before the well penetrates the sour zone.

All items on the attached training report will be covered fully and records of the training will be kept on file.

Training will include hands-on training on all equipment in order to familiarize the trainees with the equipment.

Drills will be put on at random in order to check the crew's response to emergency situations.

Each Service Company that will be on this well, after the well has reached compliance depth, will be notified that the zone may contain H₂S.

Each Service Company will be expected to attend a well-site briefing session.

TRAINING MATERIALS

H2S SAFETY HANDBOOK

DOCUMENTATION

CERTIFICATES

30 - MINUTE AIR PACKS

5 - MINUTE ESCAPE PACKS

RESUSCITATION/DEMO BOTTLE

RIG LAYOUT CHARTS DENOTING: Briefing Areas
Evacuation Routes
Windssocks, Etc.

CONTINGENCY PLAN

EMERGENCY EQUIPMENT REQUIREMENTS

1. SIGNS

Three (3) signs located at lease entrance and location entrance with the following language:

DANGER - H₂S POISON GAS

NO SMOKING

NO ADMITTANCE WITHOUT AUTHORIZATION

2. FRESH AIR BREATHING EQUIPMENT:

- A) Air line units for all personnel on location.
- B) Spare air bottle.
- C) Cascade system with hose lines to rig floor and one to the derrick man and other operational areas.
- D) Cascade system for continuous air supply.

3. WINDSOCKS - WIND STREAMERS:

- A) 3 - 36" windsocks located as shown on rig layout at height visible from rig floor
- B) Wind streamers (Optional)

4. HYDROGEN SULFIDE DETECTOR AND ALARMS:

- A) Three (3) H₂S Detection sensors with alarms on rig floor set to alarm at 10 ppm with warning light, and to alarm at 15 ppm with light and audio alarm, equipped with direct readout in ppm's.
- B) Bendix unit with tubes
- C) Supply of H₂S ampules.

5. **CONDITION FLAGS:**

- A) Three (3) each of green, yellow and red rectangular condition flags to be displayed to denote conditions.

GREEN - Safe Breathing Area

YELLOW - Potential Danger

RED - DANGER - H₂S PRESENT

- B) Condition flag will be posted at location sign entrance.

6. **RESUSCITATOR:**

Oxygen resuscitator for emergency first aid.

7. **AUXILIARY RESCUE EQUIPMENT:**

- A) Stretcher

- B) Two (2) 250' lengths of 3/8" nylon rope.

8. **FLARE IGNITION:**

Two (2) 50' Elevated Flare Stacks located as shown on rig layout sketch will be installed with automation ignition and butane pilots (if conditions warrant)

9. **WELL IGNITION**

25mm Flare Gun shall be at rig at all times.

10. **CHOKE MANIFOLD, MUD-GAS SEPARATOR AND FLARE LINE:**

Located as shown on sketch. (Under Tab Section 3)

11. **FIRE EXTINGUISHER:**

Adequate fire extinguishers shall be located at strategic locations.

12. BLOWOUT PREVENTION EQUIPMENT:

The well shall be adequately equipped with BOP equipment for BOP OF 6,000 lb. psi.

13. BOP TESTING:

BOP and Choke Line, stand pipe and kill line will be tested to 5,000 lbs.

14. OTHER CONTROL EQUIPMENT:

- A) Degasser
- B) Mud-Gas Separator
- C) Super Choke
- D) PVT System
- E) Flow Sensor
- F) E-z-vent line with elevated flare stacks

CASING - BLOWOUT PREVENTOR - CHOKE

CASING:

Casing, couplings, flanges and related equipment shall be designed for H₂S service as provided by NANCE MR-01-75 API RP-14E. Field welding on casing (except conductor and surface strings) is prohibited unless approved by the drilling supervisor.

WELLHEAD, BLOWOUT PREVENTORS AND PRESSURE CONTROL EQUIPMENT:

The blowout-preventor stack assembly shall be designed in accordance with criteria evolved through technology of the latest state of the art for H₂S service. Surface equipment such as choke lines, choke manifold, kill lines, bolting, weldments and other related well-killing equipment shall be designed and fabricated utilizing the most advanced technology concerning sulfide stress cracking. Elastometers, packing and similar inner parts exposed to H₂S shall be resistant to the maximum anticipated temperature of exposure.

All equipment operational and tested at or before compliance depth.

STATUS CHECK LIST

NOTE: ALL ITEMS ON THIS LIST MUST BE COMPLETED BEFORE
PENETRATING THE SMACKOVER FORMATION.

ITEM	DESCRIPTION	CHECK BY DATE
1.	Sign at lease entrance	
2.	Sign at location entrance	
3.	(3) Windssocks on 10' adjustable poles located as requires	
4.	Wind Streamers displayed (Optional)	
5.	30-Minute pressure demand air pack (approved by USGS, etc.,	
6.	Air pack inspected weekly and ready for use .	
7.	Cascade system for refilling air bottles	
8.	Cascade system and hoseline hook-ups	
9.	Choke manifold and remote control hooked up and tested	
10.	Mud gas Separator hooked up as required	
11.	Remote BOP Control hooked up and tested	
12.	Vent line installed as required	
13.	BOP Preventor tested	
14.	Mud Engineer on location with equipment to test mud for H2S	

ITEM	DESCRIPTION	CHECK BY DATE
<hr/>		
15.	Safe Breathing areas set up	
16.	Condition flag on location and ready for use (green, yellow and red)	
17.	H2S Detection system hooked up	
18.	H2S Alarm system hooked up	
19.	One (1) oxygen resuscitator on location tested and ready	
20.	Stretcher on location at safe breathing area	
21.	Two (2) 100' lengths of 3/8" nylon rope on location	
22.	Flare ignition system on location and hooked up for use	
23.	25mm meteor type flare gun on location and tested	
24.	Fire extinguishers and fire blanket located as required	
25.	Combustible gas detector on location	
26.	All rig crews and supervisors trained as required	
27.	Location access restricted for unauthorized personnel - blockades at entrance	
28.	Drills on H2S and well control procedure conducted as required	
29.	All outside service contractors advised of potential H2S on well	

ITEM	DESCRIPTION	CHECK BY DATE
30.	"No Smoking" signs up (2)	
31.	Bendix H2S Detector with tubes on location	
32.	Combustible gas detector on location	
33.	Safety Specialist on location	
34.	2' x 2' sign with company name, well name and well number and county/parish and state located at entrance	

PROCEDURAL CHECK LIST

PERFORM EACH TOUR:

1. Check fire extinguishers to see that they have the proper charge.
2. Check breathing equipment mask assembly to see that straps are loosened and turned back, ready to put on.
3. Check pressure on breathing equipment air bottles to make sure they are charged to full volume.
4. Check pressure on supply air bottles to see that they are capable of recharging.
5. Check pressure on drill pipe gauge on auxiliary panel for choke manifold to see that it is in pressure communication with primary panel.
6. Make sure all H₂S detection system is operative.

PERFORM EACH WEEK:

1. Check each piece of breathing equipment to make sure that the demand regulator is working. This requires that the bottle be opened and the mask assembly be put on tight enough so that when you inhale, you get air.
2. Blowout prevention drills.
3. Check nitrogen supply pressure on BOP accumulator stand-by source.
4. Check butane supply for burn pit volume and make sure #1 line is not plugged. Check automatic ignition system.
5. Check all SKA-PAK units for operation - demand regulator escape bottle air volume - supply bottle air volume.
6. Check breathing equipment mask assembly to see that straps are loosened and turned back ready to put on.
7. Check pressure on breathing equipment air bottles to make sure they are

charged to full volume.

8. Check breathing equipment air bottles to make sure all demand regulators are working. This requires that the bottle be opened and the mask assembly be put on tight enough so that when you inhale, you get air.
9. Confirm pressure on all supply air bottles.
10. Perform breathing equipment drills with on-site personnel.
11. Check oxygen resuscitator for pressure on oxygen bottle and make sure demand regulator is working.
12. Check the following supplies for availability:
 - a) Stretcher
 - b) Safety belts and ropes
 - c) Flare gun and flares
 - d) Spare oxygen bottles
 - e) Emergency telephone lists
 - f) Bendix detector and tubes
13. Test the explosimeter to verify batteries are good.

H2S CONTINGENCY PLAN

BRIEFING PROCEDURE

The following scheduled briefing will be held to insure the effective drilling and operation of this project.

I. Pre-Spud Meeting

Date: Prior to spudding the well.

Attendance: Company Representative, Consultant Engineer, Drilling Foreman, Rig Pushers, Rig Driller, Mud Engineer, Mud Logger, Company Geologist, Safety Engineer.

Purpose: Go over well program step by step to insure complete understanding of interfacial relationship and individual responsibility.

EMERGENCY EVACUATION PROCEDURES

If an emergency situation should arise, the SHERIFF'S Department will be notified immediately so that they can assist in the evacuation and sealing off of the area. The SHERIFF'S Department and the UTAH DEPARTMENT OF PUBLIC SAFETY have both been notified of the drilling of this well and have agreed to assist in the event of an emergency.

Road blocks will be established at all entrances to the location and NO UNAUTHORIZED PERSONNEL will be permitted to enter the area.

H2S CONTINGENCY PLAN

EVACUATION PLAN

The following general plan has been developed in the event that any public evacuation becomes necessary.

1. The company has requested and has been assured the support of the various public safety entities in the area.
2. Any evacuation will be conducted with the coordinated efforts of the COUNTY SHERIFF.
3. Assistance from other Public Safety entities will be enlisted and coordinated by the COUNTY SHERIFF'S office.
4. The included maps detail the area of the well site, including the inventory of the public within one (1) mile of the well, if any.
5. In the event there is any suspected problem on the well, the well-site supervisor will notify the office of the SHERIFF for ALERT STATUS.
6. ALERT STATUS will require that available public support personnel will assemble at the courthouse and stand-by for instructions.
7. If isolation and evacuation are necessary, then unity will be dispatched to points marked on the map with instructions to maintain road blocks.
8. Evacuation teams will then proceed to sectors to be evacuated. Evacuation procedures will follow appropriate consideration for wind conditions.
9. Personnel from SureSafe Inc. will establish safe perimeter using H2S detectors.

EMERGENCY CALL LIST - PUBLIC OFFICIALS

LOCAL OFFICIALS:

Sheriff's Department

(801) 637-0893

Department of Public Safety

(801) 637-0980

Fire Department

(801) 637-3187 or 911

Hospital

(801) 637-4800 or 911

Castle Valley Veterinary Clinic

(801) 637-4272

OIL COMPANY - EMERGENCY CALL NUMBERS

River Gas Corporation

L.G. Mosley

Greg Mueller

Office: 801-637-8876

Mobile: 801-636-5583

Mobile: 801-636-5561

DRILLING COMPANY - EMERGENCY CALL NUMBERS

Pense Bro. Drilling

Office: 915-573-1104

Workover Completion Company- Emergency Call Numbers

Pool Well Service

Office: 801 -722-3451

Mobil

1. Glen Ross (Toolpusher)

801-722-8198

2. Dick Detz (Toolpusher)

801-722-7945

SAFETY EQUIPMENT

SureSafe, Inc.
Rangely, Co.

Office: 970-675-8660

OFFICE

HOME

Allen Rice

970-675-8660

970-675-2385

Wayne Kemry

970-675-8660

970-675-2349

GUIDELINES FOR FIELD INSPECTIONS OF DRILLING WELLS

FOR COMPLIANCE

- A. All wells with anticipated hydrogen sulfide concentrations of 100 parts per million and calculated radius of exposure of 50 feet must comply with the following requirements:

Section C(6) (a) (1) - Warning signs must be posted at lease entrance showing the operation name, the lease name, the well number and the words "Caution" and "Poison Gas". Sign colors shall be black and yellow unless the location is subject to Federal OSHA regulations. It is recommended that operational flags be displayed at the lease entrance and at the rig to indicate the following conditions:

1. Green Flag - Potential danger, but no hydrogen sulfide present.
2. Yellow Flag - Moderate danger, hydrogen sulfide with concentration of ten parts per million present.
3. Red Flag - Extreme danger, hydrogen sulfide concentration of 150 parts per million or more present.

Section C(6) (c) - All materials and equipment in the containment system must be acceptable to NACE Standard MR-01-75 and API RP-41E. Most of this can be determined by the district office prior to spudding the well.

Section C(9) - If possible, the district office should obtain a copy of the contingency plan prior to the spud date for a complete review of the plan. The plan should be submitted to district office of the B.L.M. Unless a reaction type plan has been approved, the plan should have a complete list of the people within the radius of exposure with their addresses and phone numbers, as well as the name of the persons responsible for their notification and the method(s) to be used to notify them to the need to evacuate.

- B. All wells with an anticipated hydrogen sulfide concentration of 100 parts per million and a calculated or assumed radius of exposure of 3,000 feet or greater must comply with the following additional requirements:

Section C(11) (a) - Protective breathing equipment is required on location. Unless a written exception has been granted, this requires a cascade of bottled air with masks connected by a hose. The masks shall also have an escape bottle containing five or more minutes of air. Sufficient masks to protect all necessary personnel on the rig shall be strategically located. The cascade shall contain sufficient air for all necessary personnel from not less than two hours. In addition, there must be at least three 30-minute air packs on location.

Section C(11) (b) - A minimum of three wind indicators shall be installed at strategic locations at the rig site.

Section C(11) (c) - A means of igniting any escaping gas from a safe distance must be located a safe distance from the rig. This can be a flare gun, rifle with tracer bullets or other suitable equipment.

Section C(11) (d) - Automatic hydrogen sulfide detection equipment shall be installed to detect hydrogen sulfide at a minimum of three locations; the rig floor, at or near the bell nipple and the shale shaker. When installing hydrogen sulfide detectors, the effect of moisture, ice and mud accumulations should be considered. This equipment must have visual and audible alarms and should be set to react at 10 & 15 parts per million. Individual hydrogen sulfide detection equipment should be available for all crew members on the rig floor whenever hydrogen sulfide has been detected.

Section C(11) (e) - All piping and equipment up to the choke manifold must comply with the Material Section API Standard. The point of flare should be elevated to aid in dispersion of sulphur dioxide.

Section C(11) (f) - Secondary remote control equipment should be located at a point perpendicular to the prevailing winds and a safe distance from the wellhead. Auxiliary power should be available for this control equipment.

Section C(11) (g) - No drill stem testing is permitted which will allow the drill string to be exposed to formation fluids containing hydrogen sulfide.

Section C(11) (h) - The district should be notified of any formation testing of hydrogen sulfide bearing formations.

Section C(11) (k) - API RP-49 has many additional safety suggestions which are recommended. These include, but are not limited to the following:

1. Bug blowers should be installed on the rig floor and under the superstructure to prevent build up of hydrogen sulfide fumes.
2. The mud logging trailer should be located away from the shale shaker mud tank and a minimum of 125 feet from the wellbore.
3. Remote locations should be furnished with additional safety equipment, supplies and additional breathing air.
4. Protection centers and briefing locations should be located on each side of the location and as far from the wellbore as is practical.
5. Mud tanks, shale shakers, etc. should be properly located to prevent hydrogen sulfide from blowing across the rig floor.

Section C(12) - The safety coordinator, if a part of the crew, or the toolpusher, should be requested to furnish details concerning training and safety procedures.

THE USE OF SELF-CONTAINED BREATHING EQUIPMENT

1. Written procedures shall be prepared covering safe use of respirators in dangerous atmospheres which might be encountered in normal operations or in emergencies. Personnel shall be familiar with these procedures and the available respirators.
2. Respirators shall be inspected frequently at random to insure that they are properly used, cleaned and maintained.
3. Anyone who may use the respirators shall be trained in how to insure proper face piece to face seal. They shall wear respirators in normal air and then wear it in a test atmosphere. (Note: Such items as facial hair, beard or sideburns and eyeglass temple pieces will not allow a proper seal). Anyone that may be reasonable expected to wear respirators should have these items removed before entering a toxic atmosphere. A special mask must be obtained for anyone who MUST wear eyeglasses. Contact lenses should not be allowed.
4. Maintenance and care of respirators:
 - A. A program for maintenance and care of respirators shall include the following:
 - 1) Inspection for defects, including leak checks.
 - 2) Cleaning and disinfecting.
 - 3) Repair
 - 4) Storage
 - B. Inspection: Self-contained breathing apparatus for emergency use shall be inspected monthly for the following and a permanent record kept of these inspections:
 - 1) Fully charged cylinders
 - 2) Regulator and warning device operation.
 - 3) Condition of face piece and connections.
 - 4) Elastomer or rubber parts shall be stretched or massaged to keep them pliable and prevent deterioration.

- C. Routinely used respirators shall be collected, cleaned and disinfected as frequently as necessary to insure proper protection is provided.
- 5. A person assigned the task that requires usage of self-contained breathing equipment shall be certified physically fit for breathing equipment usage by the local company physician at least annually.
- 6. Respirators should be worn when:
 - 1) Any employee works near the top or on top of any tank, unless tests reveal less than 10 ppm of H₂S.
 - 2) When breaking out any line where H₂S can reasonably be expected.
 - 3) When sampling air in areas to determine if toxic concentrations of H₂S exist.
 - 4) When working in areas where over 10 ppm of H₂S have been detected.
 - 5) At any time there is a doubt as to the H₂S level in the area.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other _____ b. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input checked="" type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____						5. LEASE DESIGNATION AND SERIAL NUMBER PATENTED	
						6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
2. NAME OF OPERATOR River Gas Corporation						7. UNIT AGREEMENT NAME N/A	
3. ADDRESS OF OPERATOR 1305 South 100 East, Price, UT 84501 (801)637-8876						8. FARM OR LEASE NAME TELONIS	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 1850' FSL, 750' FWL At top prod. interval reported below At total depth 						9. WELL NUMBER D-2	
<div style="position: relative; height: 100px;"> <div style="position: absolute; top: 0; right: 0; font-size: 40px; opacity: 0.5;">CONFIDENTIAL</div> </div>						10. FIELD AND POOL, OR WILDCAT: THUNDERWEST	
						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA SE/SE, SECT. 19, T14S, R9E, SLB & M	
15. DATE SPUDDED 9/11/83		16. DATE T.D. REACHED 12/23/83		17. DATE COMPL. (Ready to prod. or Plug & Abd.) 12/23/83		18. ELEVATIONS (DF, RES, RT, GR, ETC.) 6397'KB	
19. ELEV. CASINGHEAD 6370'		14. API NO. 43-007-30093		DATE ISSUED 7/19/88		12. COUNTY Carbon	
13. STATE UTAH		25. WAS DIRECTIONAL SURVEY MADE NO					
20. TOTAL DEPTH, MD & TVD '13,013		21. PLUG BACK T.D., MD & TVD 7268'		22. IF MULTIPLE COMPL., HOW MANY N/A		23. INTERVALS DRILLED BY 0-TD	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD OR TVD) INJ, INTERVAL, NAVAJO		26. TYPE ELECTRIC AND OTHER LOGS RUN CMT BOND LOG WITH GAMMA RAY, DIPOLE SONIC		27. WAS WELL CORED YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> (Submit analysis) DRILL STEM TEST YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> (See reverse side)		28. CASING RECORD (Report all strings set in well)	
29. LINER RECORD		30. TUBING RECORD		31. PERFORATION RECORD (Interval, size and number)			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
7"	26 #/ft. L-80	7269'					
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.				33. PRODUCTION			
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
7205' & 7206'				CEMENT SQUEEZE PERFS			
DATE FIRST PRODUCTION 12/2/96				PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) FREE FLOWING INTO WELL			
DATE OF TEST				WELL STATUS (Producing or shut-in) DISPOSAL			
HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL N/A	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO N/A	
FLOW, TUBING PRESS. N/A	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL N/A	GAS—MCF.	WATER—BBL.	OIL GRAVITY - API (CORR.) N/A	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY	
35. LIST OF ATTACHMENTS LOGS: CBL W/GR, DIPOLE SONIC							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED <i>Steven L. Prince</i>		TITLE Regulatory Manager		DATE 12/23/96			

See Spaces for Additional Data on Reverse Side

INSTRUCTIONS

This form should be completed in compliance with the Utah Oil and Gas Conservation General Rules. If not filed prior to this time, all logs, tests, and directional surveys as required by Utah Rules should be attached and submitted with this report.

ITEM 18: Indicate which elevation is used as reference for depth measurements given in other spaces on this form and on any attachments.

ITEMS 22 AND 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottoms(s) and names(s) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

ITEM 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

ITEM 33: Submit a separate completion report on this form for each interval to be separately produced (see instruction for items 22 and 24 above).

37. SUMMARY OF POROUS ZONES: Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.				38. GEOLOGIC MARKERS		
Formation	Top	Bottom	Description, contents, etc.	Name	Top	
					Meas. Depth	True Vert. Depth
Navajo	7200	7800	FG SANDSTONE	Ferron top Tununk top Dakota/Cedar Mtn top Morrison top Summerville top Curtis top Entrada top Carmel top Navajo top	2798 3116 3472 4344 4980 5414 5559 6429 7200	2798 3116 3472 4344 4980 5414 5559 6429 7200

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

6. Lease Designation and Serial Number

7. Indian Allottee or Tribe Name

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.

Use APPLICATION FOR PERMIT— for such proposals

8. Unit or Communitization Agreement

UTU67921X (DRUNKARDS WASH)

9. Well Name and Number

TELONIS D-2

10. API Well Number

43-007-30093

11. Field and Pool, or Wildcat

DRUNKARDS WASH

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other (specify) WATER DISPOSAL

2. Name of Operator

RIVER GAS CORPORATION

3. Address of Operator

35473

511 Energy Center Boulevard Northport, Al.

4. Telephone Number

205-759-3282

5. Location of Well

Footage : 465' FSL, 560' FEL

QQ, Sec. T., R., M. : SE/SE SEC 19, T14S, R9E

County : CARBON

State : UTAH

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|---|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Request to increase maximum injection pressure</u> | |

Approximate Date Work Will Start _____

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Date of Work Completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

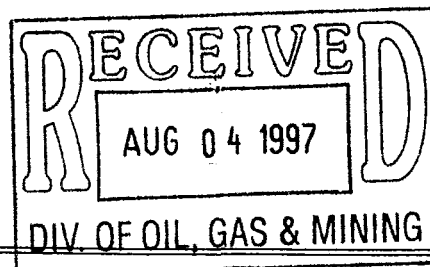
* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

In a typical stratigraphic section in the Drunkards Wash area, the Carmel Formation contains several anhydrite beds within a 130' zone, located approximately 300' above RGC's water disposal interval within the Navajo Sandstone. Based on the log interpretation of the anhydrites' mechanical properties from RGC disposal wells D-3 and D-4, this is a zone of high situ stress, thereby acting as a barrier and inhibiting upward fracture growth.

Due to the presence of this zone in D-2, and based on the recommendations in the attached report from Stim-Lab, Inc. (pg 4), RGC respectfully requests that the maximum surface pressure for the Telonis D-2 well be increased to 1550 psi.

The Telonis D-2 well contains 7" casing to 7243' (G.L.).



14. I hereby certify that the foregoing is true and correct

Name & Signature Dennis Plowman *Dennis Plowman*Title Reservoir Technician Date 08/01/97

(State Use Only)

* APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 8/7/97
BY: [Signature]

See Instructions on Reverse Side

* See Attached conditions

Utah Division of Oil, Gas and Mining

Attachment to **Sundry Notice and Report on Wells**
dated August 1, 1997.

Subject: Request of River Gas Corp. for permission to increase
maximum injection pressure.
D-2 Well
SE/SE sec. 19, T14S, R9E, Carbon, County
API = 43-007-30093

Conditions of Approval:

This is a temporary approval which allows for an injection pressure similar to that allowed in the D-1 disposal well. It is valid only until the well is reworked to extend the injection interval or a six month period whichever comes first.

ANALYSIS OF STRESS PROFILE IN THE INJECTION WELLS AT DRUNKARDS WASH

Well D-3 was completed in late May, 1996 and an extensive logging and testing program was conducted to identify the stress conditions present in the reservoir. The dipole sonic log is the principal log used to identify the rock properties which lead to the stress condition present in the reservoir. There are a number of factors which contribute to the total stress present in the reservoir. The most important are the lithostatic stress, tectonic stress and pore pressure. A clear understanding of the role of each is needed to understand the *in-situ* stresses. Unfortunately, the normal procedures used in the industry to calibrate stress logs is so far removed from first principals that it is difficult to apply reported results from one well to another. If carefully conducted and interpreted injection stress measurements are made in all lithologies present in the wellbore, then local correlations could be made with some log parameters to apply to other wells in the near vicinity of the research well. Unfortunately, the injection stress tests are prohibitively expensive and practically there is never enough test data available to apply this approach. Using first principals, injection tests in the primary zone, and 3-D hydraulic fracture modeling studies, the stress state in well D-3 can be described with adequate understanding to apply to other wells.

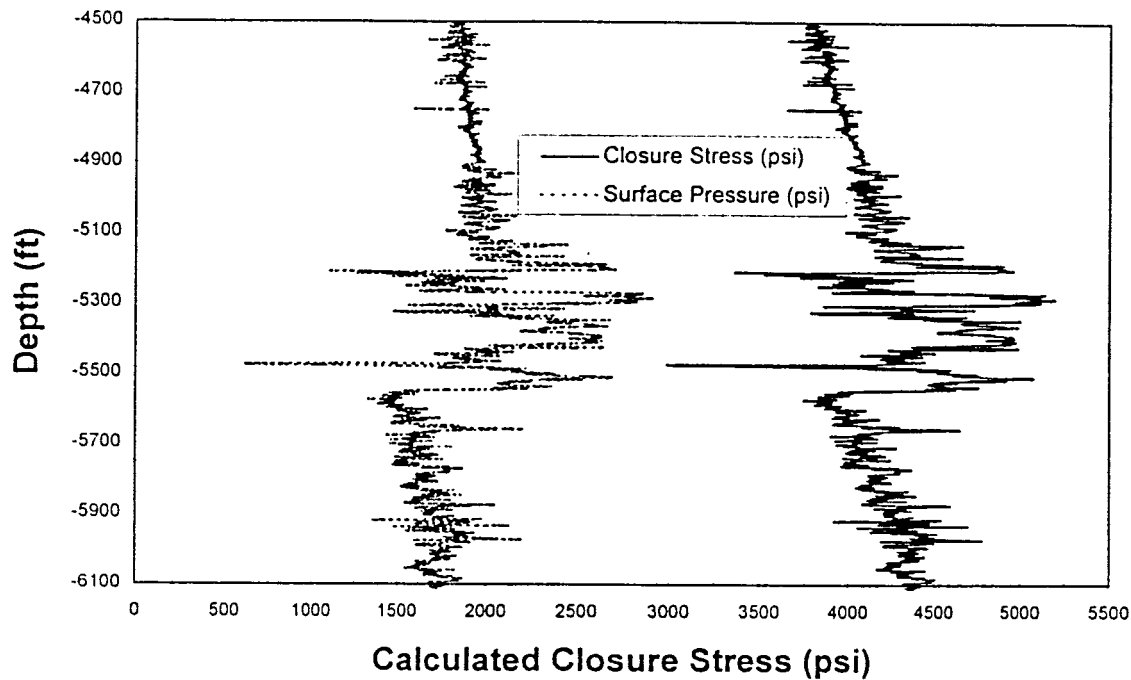
Currently 3 wells have been completed and tested in the Navajo Sandstone. The surface pressure required to extend a fracture in the upper part of the Navajo Sandstone ranges from approximately 500 to 1500 psi. The stress model must honor this information as well as the analytical data collected on well D-3.

There are two key pressures related to fracturing. The easiest to measure is the fracture parting pressure (fracture extension pressure). This is the value obtained from analysis of the step-rate test and often approximated by the instantaneous shut-in pressure after injecting into the reservoir. The second is the fracture closure pressure. This is much more difficult to determine accurately and is determined from the analysis of the decline pressure observed during the fall-off after injecting fluid. This is also the value calculated from logs and needed for the 3-D hydraulic fracturing simulations. Fortunately, the computer simulations and pressure fall-off tests show that the closure pressure is reasonably predictable and is 300-400 psi below the fracture extension pressure.

Tectonic Strain:

The area has been tectonically active and is confirmed by the presence of a thrust fault in the vicinity of the Navajo Sandstone in D-3 at about 5200 ft. When a horizontal strain is placed on heterogeneous, layered rock mass; the stiffer rocks (measured as higher Young's Modulus) will bear the majority of the load because they deform less. This is in fact the definition of Young's Modulus where strain = change in length divided by the total length and Young's modulus is the slope of the stress-strain curve. The result is higher *in-situ* stress in the high modulus rocks. This is particularly important in siltstone-sandstone sequences such as are present in the gross Navajo Sand interval. The total closure stress shown in figure 1 is computed from the lithostatic stress + pore pressure + linear tectonic strain. Since the fluid enters the reservoir from perforations starting at the first permeable section in the Navajo Sand, the pressure applied at any depth is basically the surface pressure + the hydrostatic pressure. Therefore the second curve is computed to show the surface pressure that would be required (with fluid entry through the perforations at 5560 ft and deeper) to exceed the calculated closure stress.

**Figure 1: Injection Test Calibrated - Log
Derived Stress Profile for D3**



The fracture parting pressure calculated at a reference depth of 5560 ft in 4106 psi (1475 psi surface).
The stress components required to give this pressure are:

1. Lithostatic Stress = 803.7 psi
2. Pore Pressure = 2170.2 psi
3. Tectonic Stress = 853.0 psi
4. Net Closure Stress = 279.0 psi (fracture extension - fracture closure pressure)

The strongest rock in the wellbore is the two major anhydrite stringers at 5184-5207 and 5270-5304 ft. followed by the highly cemented siltstones at 5350-5420 and 5500-5550 ft. All these zones have significant areas where the closure stress value is easily 1000 psi or more greater than the closure stress in the permeable area.

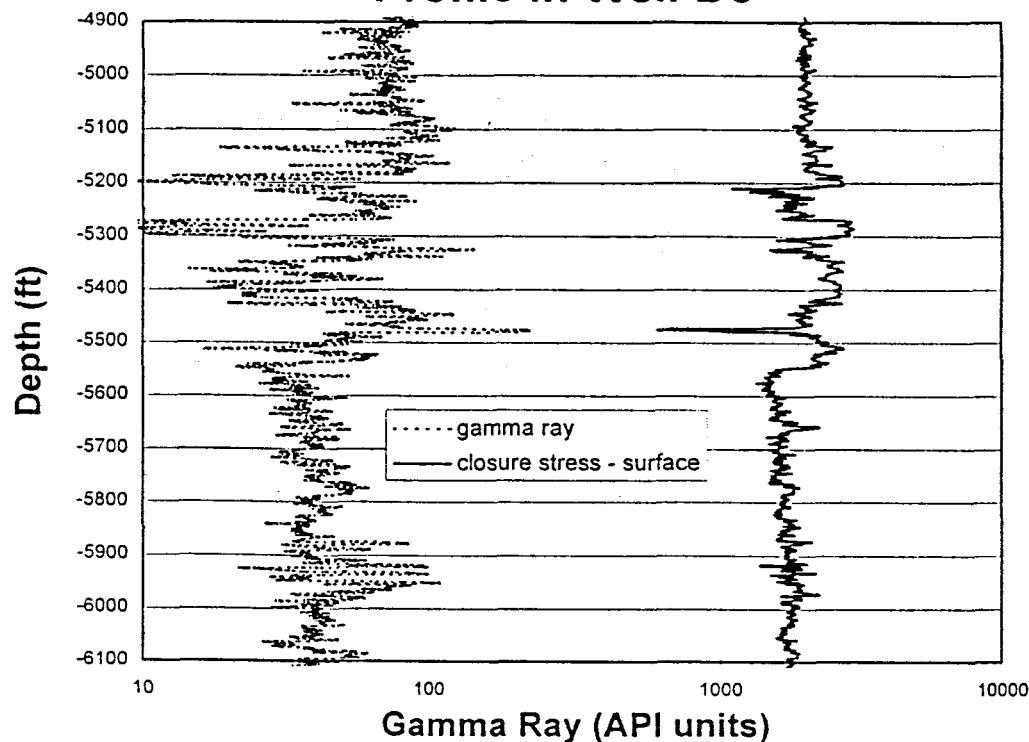
Lithostatic Stress:

There is a second mechanism that creates higher stress that is not included in the calculated stresses in figure 1. The load placed on a particular rock layer by the weight of the overburden creates a horizontal stress. Poisson's ratio is a measure of the amount of horizontal stress created by the load. The lithostatic stress is equal to Poisson's ratio divided by (1 - Poisson's ratio) multiplied by the vertical stress. The Poisson's ratio measured by logs and in the laboratory is due to the elastic nature of rock. However, certain rock types, namely shales, coal and limestone behave like a plastic and there is some permanent deformation that creates addition horizontal stress.

This behavior has been confirmed in the shales in this area. When the Wingate (perfs at 6030-6040 ft) pre-frac step rate test was conducted, the pressure analysis showed that the fracture did not breach the barriers at approximately 5950 ft. This same barrier was not breached during the fracturing treatment and the shales in this area are believed to be the additional higher stress layer responsible for the fracture containment.

The data collected at the GRI/DOE multiwell research site, shows some shales have stresses equal to the overburden stress. This corresponds to a Poisson's ratio equal to 0.5 rather than the 0.35 value measured by the logs. Stimulation treatments conducted in the shaley parts of the Ferron sand interval confirm that the stresses must be equal to the overburden in the coals and shales to create the high fracturing treating pressures observed. The gamma ray spectrum is shown in figure 2 and shows that there are a large number of shale layers above 5550 ft which create even higher stress barriers than those previously calculated for the siltstones and anhydrite and shown in figure 2 for comparison. Therefore we have concluded that there are a number of barriers which would prevent upward fracture growth when the injection pressure is 1000 psi above the fracture extension pressure measured in the upper Navajo sand.

Figure 2: Gamma Ray and Surface Pressure Profile in Well D3



Recommendation

This would suggest that the surface injection pressure maximums in the injection wells could safely be increased to 1500 psi in D-1, 1600 psi in D-2 and 2500 psi in D-3. This is based on considering that the lower fracturing gradient in the Navajo Sand in D-1 and D-2 is due to a reduced tectonic stress in these wells. The reduction in stress in the Navajo Sand due to lower tectonic stress is more than would be observed in the anhydrites and siltstones but we do not have adequate information to predict how much higher they would be over the minimum used to make these recommendations.

The stress in the shales is not very sensitive to tectonic stress and therefore we know we are significantly underestimating the strength of the barriers in both D-1 and D-2. A surface pressure of 1500 psi at 5000 ft is equivalent to a stress gradient of 0.73 and is significantly less than the stresses normally measured in shales.

SUNDRY NOTICES AND REPORTS ON WELLS

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Use APPLICATION FOR PERMIT—for such proposals

7. Indian Allottee or Tribe Name

8. Unit or Communitization Agreement

UTU67921X (DRUNKARDS WASH)

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other (specify)		9. Well Name and Number TELONIS D 2
2. Name of Operator RIVER GAS CORPORATION		10. API Well Number 43-007-30093
3. Address of Operator 511 Energy Center Blvd., Northport, AL 35473	4. Telephone Number (205) 759-3282	11. Field and Pool, or Wildcat DRUNKARDS WASH
5. Location of Well Footage : 465' FSL, 560' FEL CC. Sec. T., R., M. : SE?SE SEC 19, T14S, R9E County : CARBON State : UTAH		

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
NOTICE OF INTENT (Submit in Duplicate)		SUBSEQUENT REPORT (Submit Original Form Only)	
<input type="checkbox"/> Abandonment	<input type="checkbox"/> New Construction	<input type="checkbox"/> Abandonment	<input type="checkbox"/> New Construction
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recompletion	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Shoot or Acidize
<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Shoot or Acidize	<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Vent or Flare
<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> Other	
<input checked="" type="checkbox"/> Other <u>Injection pressure extention</u>			
Approximate Date Work Will Start _____		Date of Work Completion _____	
Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form. * Must be accompanied by a cement verification report.			

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

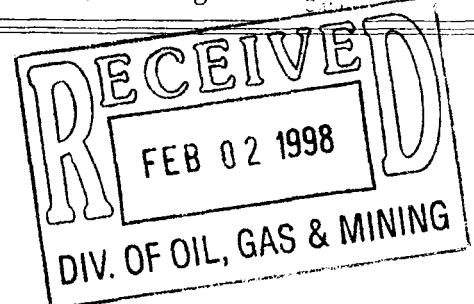
The D-2 disposal well's maximum injection pressure of 1350 psi. was approved by DOGM on August 7, 1997. This approval was given for a six month period from the approval date to allow certain rework to occur which would allow injection into all of the Navajo formation. Due to a Bureau of Land Management mandate restricting non-essential activities in a critical habitat corridor, this work has been postponed until the spring of 1998. As result, River Gas Corporation respectively request that the maximum pressure of 1350 psi. remain in-place for another six months until this rework can be done.

14. Hereby certify that the foregoing is true and correct

Name & Signature John Hollingshead Title Reservoir Engr. Date 1-28-98

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 2-4-98
BY: [Signature]

See Instructions on Reverse Side



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

6. Lease Designation and Serial Number

7. Indian Allottee or Tribe Name

8. Unit or Communitization Agreement

UTU67921X (DRUNKARDS WASH)

9. Well Name and Number

TELONIS D 2

10. API Well Number

43-007-30093

11. Field and Pool, or Wildcat

DRUNKARDS WASH

SUNDRY NOTICES AND REPORTS ON WELLS

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Use APPLICATION FOR PERMIT— for such proposals

1. Type of Well

☐ Oil Well☐ Gas Well☒ Other (specify)

2. Name of Operator

RIVER GAS CORPORATION

3. Address of Operator

511 Energy Center Blvd., Northport, AL 35473

4. Telephone Number

(205) 759-3282

5. Location of Well

Footage : 465' FSL, 560' FEL

Q.C. Sec. T., R., M. : SE?SE SEC 19, T14S, R9E

County : CARBON

State : UTAH

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
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| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Deepen existing wellbore.</u> | |

Approximate Date Work Will Start May 20, 1998

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other | |

Date of Work Completion _____

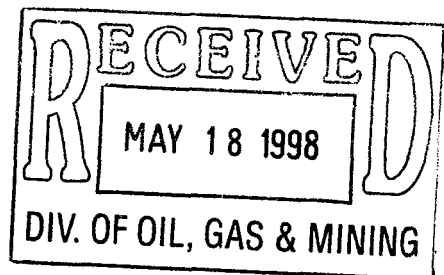
Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

(See attached letter)

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 5-18-98
BY: [Signature]



14. I hereby certify that the foregoing is true and correct

Name & Signature John Hollingshead[Signature]Title Reservoir Engr.Date May 12, 1998

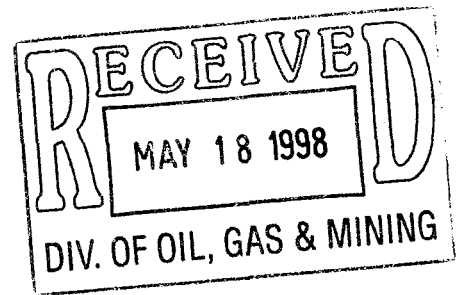
State Use Only)



RIVER GAS CORPORATION

511 Energy Center Blvd.
Northport, Alabama 35476
Phone (205) 759-3282
Fax (205) 759-3188 (Accounting)
Fax (205) 758-5309 (Corporate)

May 12, 1998



Mr. Gil Hunt
State of Utah
Department of Natural Resources
Division of Oil, Gas, & Mining
1594 West North Temple St.
Ste. 1210
Box 145801
Salt Lake City, Ut 84114-5801

Dear Mr. Gil Hunt,

Pursuant to our discussion this morning, River Gas would appreciate your approval to enter the D-2 disposal well to do additional downhole work. Upon permission, the following will be done:

Procedure

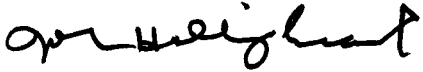
1. Move in and rig up workover unit.
2. Set up H₂S monitoring equipment.
3. Close well in and install BOP's.
4. Pick up bit and work string and RIH to TOC at 7,267' KB (KB=26').
5. Drill through casing shoe at 7380' into openhole.
6. ~~Continue in hole and tag plug at 9000' +/- per phone conv.~~
7. POOH to 8100'+/- and clean hole of old drill fluids.
8. Rig up cement company and spot 100' plug from 8000'-8100'.
9. PU work string 3 stands and reverse out to clean residual cement.
10. Rig down and release cement company.
11. POOH and lay down work string.
12. Shut down for night to let cement cure.
13. Rig up perforating company.
14. RIH and tag new cement plug.
15. POOH and make up guns.
16. Perf. casing from 7260'-7380'.
17. POOH w/ guns, rig down, and release.
18. Nipple up wellhead.
19. Rig down workover unit and release.
20. Place well on injection.

The above is a general procedure of the work to be conducted. Certain steps may be amended, if necessary. A copy of the current wellbore schematic, bond log section for 7100'-PBTB, and laterolog over

intervals of interest are enclosed for your review.

Your assistance with this matter is appreciated, and I will be touch with you soon.

Most cordially,

A handwritten signature in cursive script, appearing to read "John Hollingshead".

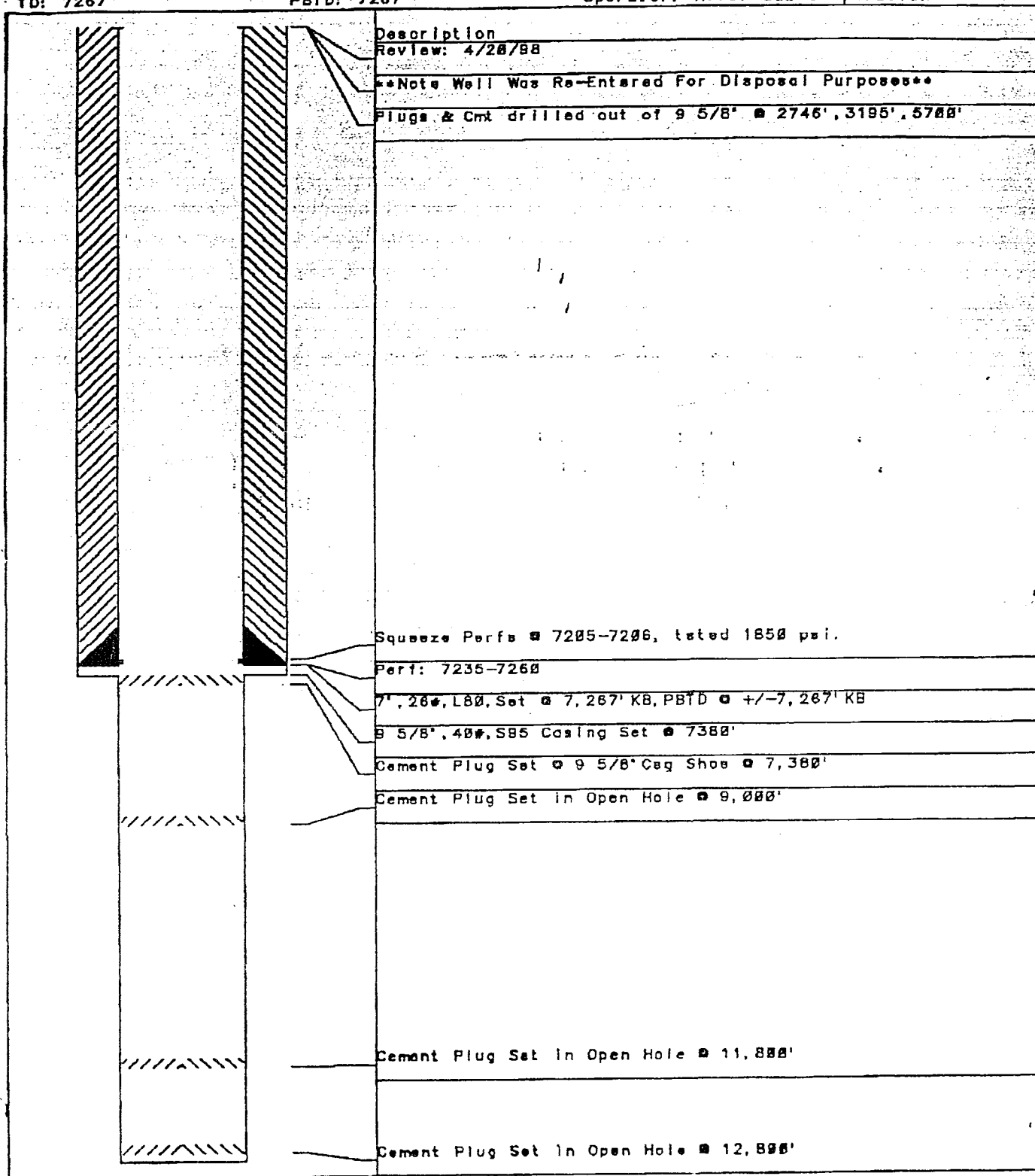
John Hollingshead
Reservoir Engineer

Lease: Telonis
Well #: D-2

Drilled: 89/11/1983
KB: 26
TD: 7267

Completed: 12/23/1983
ELEV: 8371
PBTD: 7267

API #: 43-007-30093
Location: Se/4 Se/4 Sec 19, T14S, R9E
Cnty/St: Carbon/Utah
Footages: 48' SL & 560' FEL
Field: Porphy Bench
Operator: River Gas Corporation



COMPANY: RIVER GAS CORPORATION

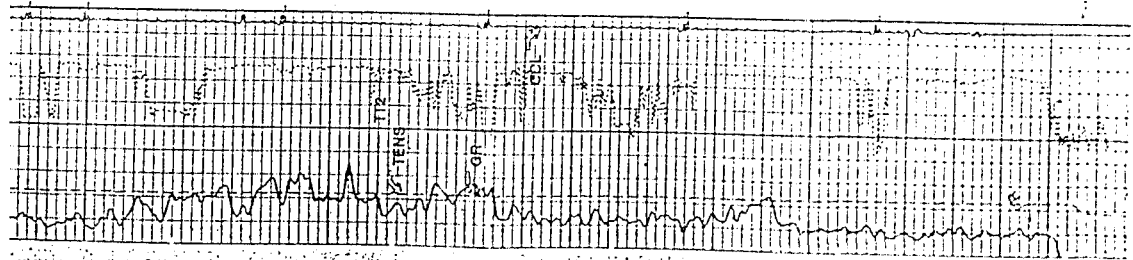
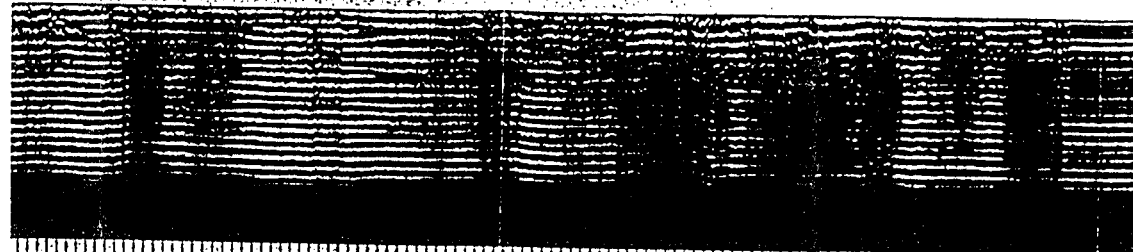
W D-2

FIELD: DRUNKARDS WASH

COUNTY: CARBON STATE: UTAH

COUNTY: CARBON		FIELD: DRUNKARDS WASH	
Location: SE 4/SE 4		Well: D-2	
Company: RIVER GAS CORPORATION		LOG LOCATION	
Schlumberger			
Permanent Datum		GROUND LEVEL	
Log Measured From		KELLY BUSHING	
Drilling Measured From		KELLY BUSHING	
API Serial No	SECTION	TOWNSHIP	RANGE
N/A	19	14N	9E
Logging Date: 23 JUL 1966			
Run Number			
Depth Driller			
Schlumberger Depth			
Bottom Log Interval			
Top Log Interval			
Casing Outer Size in Depth			
Casing Schlumberger			
B4 Size			
Type Fluid in Hole			
Density	Viscosity		
1.11			
Soil Sample			
RMF to Measured Temperature			
RMF to Measured Temperature			
RMF to Measured Temperature			
Source RMF	RMF		
RMF to MIT	RMF to MRT		
Maximum Recorded Temperatures			
Circulation Stopped Time			
Logger On Bottom Time			
Unit Number	Location		
161	VERNAL UT		
Recorded By	R SHOCKEY		
Witnessed By	LG MOSLEY		

CEMENT BOND LOG
WITH GAMMA RAY



Min Amplitude Max
200 1000
YOL Variations (VOL)
(US)

CDL Amplitude (GAL)
(US)
CDL Amplitude (GAL)
(US)

Gamma Ray (GAL)
(GAL)
Gamma Ray (GAL)
(GAL)

MAIN PASS

NO SUMMARY

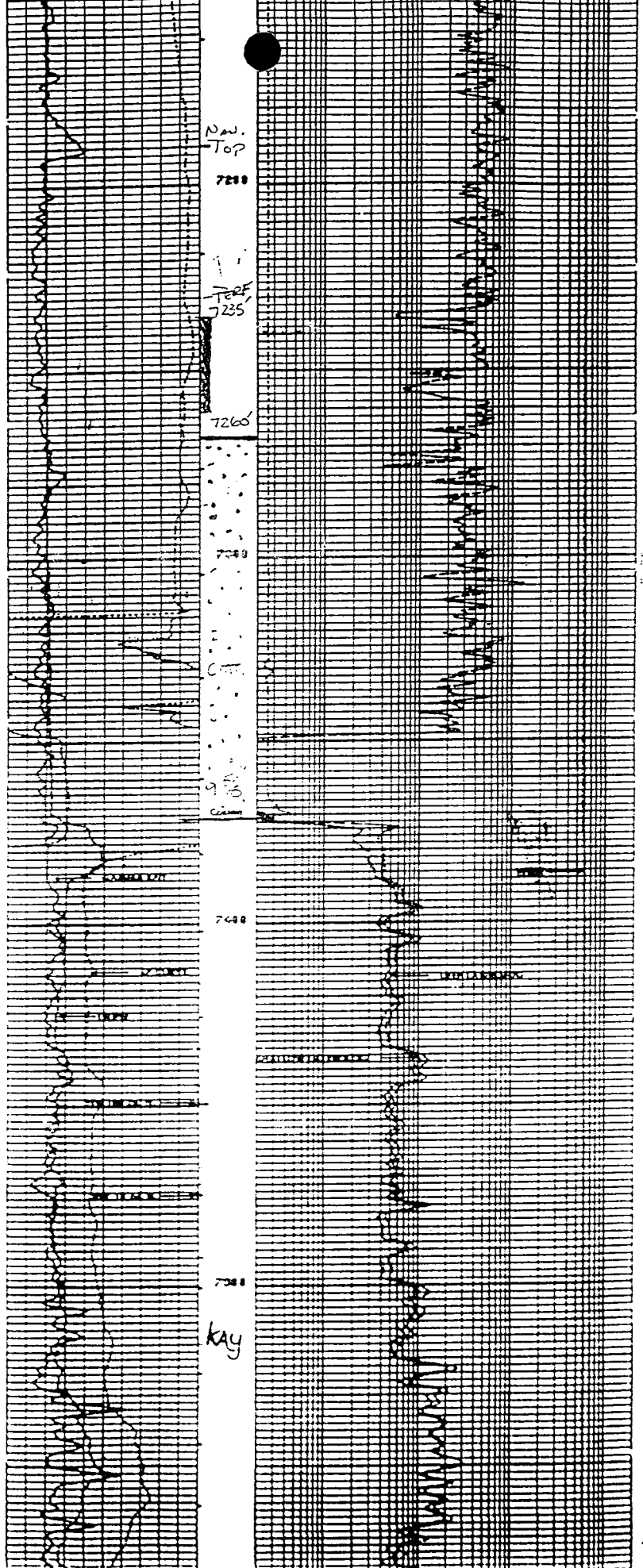
Casing Corros

Time Mark Every 60 S

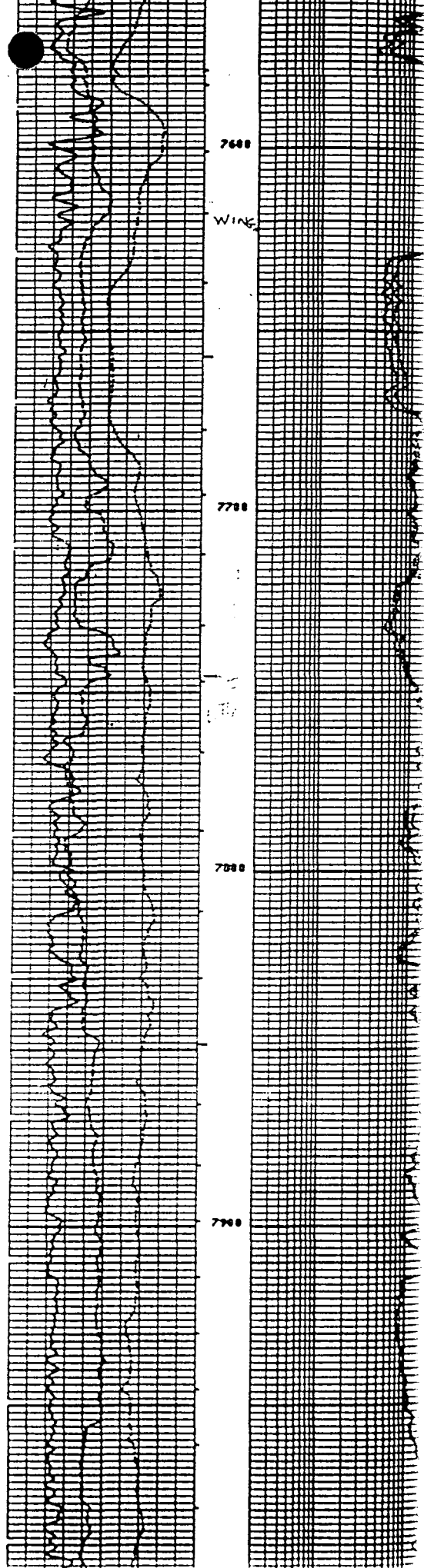
Parameters

4

ELEV	6397
Unit	D-2 TOPS
Ferron	
Tununk	3142
Dakota	3503
Cedar Mtn	3530
Morrison	4464
Summerville	5004
Curtis	5450
Entrada	5582
Carmel	6460
Navajo	7226
Kayenta	7515
Wingate	7640
Chinle	8035
Shinarump	
Moenkopi	8450
Sinbad	9160
Kaibab	9775



5



6

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.

Use APPLICATION FOR PERMIT for such proposals.

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other (specify) _____		6. Lease Designation and Serial Number
2. Name of Operator RIVER GAS CORPORATION		7. Indian Allottee or Tribe Name
3. Address of Operator 511 Energy Center Blvd., Northport, AL 35473		8. Unit or Communitization Agreement UTU67921X (DRUNKARDS WASH)
4. Telephone Number (205) 759-3282		9. Well Name and Number TELONIS D_2
5. Location of Well Footage : 465' FSL, 560' FEL QQ, Sec. T., R., M. : SE?SE SEC 19, T14S, R9E		10. API Well Number 43-007-30093
		11. Field and Pool, or Wildcat DRUNKARDS WASH

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	
NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<input type="checkbox"/> Abandonment <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Multiple Completion <input checked="" type="checkbox"/> Other <u>Injection Pressure Change</u>	<input type="checkbox"/> Abandonment <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Other _____
<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recompletion <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off
Approximate Date Work Will Start _____	Date of Work Completion _____
Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form. * Must be accompanied by a cement verification report.	

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

River Gas Corporation respectfully request that the temporary maximum injection pressure (1350 psig.) be established as the permanent injection pressure. RGC feels confident that this status change in pressure will be safely confined as explained within the regional Navajo formation study.

14. I hereby certify that the foregoing is true and correct

Name & Signature <u>John Hollingshead</u>	Title <u>Reservoir Engr.</u>	Date <u>12/8/98</u>
(State Use Only)		

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 1-6-99
BY: [Signature]

OPERATOR CHANGE WORKSHEET**ROUTING**

1. GLH	<input checked="" type="checkbox"/>	4-KAS	<input checked="" type="checkbox"/>
2. CDW		5-SJP	<input checked="" type="checkbox"/>
3. JLT		6-FILE	

Enter date after each listed item is completed

Change of Operator (Well Sold)

Designation of Agent

Operator Name Change (Only)

X MergerThe operator of the well(s) listed below has changed, effective: **12-31-2000**

FROM: (Old Operator):
RIVER GAS CORPORATION
Address: 6825 S. 5300 W. P. O. BOX 851
PRICE, UT 84501
Phone: 1-(435)-613-9777
Account N1605

TO: (New Operator):
PHILLIPS PETROLEUM COMPANY
Address: P. O. BOX 3368
ENGLEWOOD, CO 80155-3368
Phone: 1-(720)-344-4984
Account N1475

CA No.**Unit: DRUNKARDS WASH****WELL(S)**

NAME	API NO.	ENTITY NO.	SEC. TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
FAUSETT D5	43-007-30351	12165	16-14S-09E	Fee	SWD	A
ARCADIA-TELONIS 1 (D-2)	43-007-30093	99990	19-14S-09E	Fee	SWD	A
UTAH D-4	43-007-30314	11256	24-14S-09E	State	SWD	A
UTAH M-1	43-007-30199	11256	26-14S-09E	State	SWD	A
UTAH D-9	43-007-30438	12771	32-14S-09E	State	SWD	A
USA D6	43-007-30100	12466	34-14S-09E	Federal	SWD	A
DRUNKARDS WASH 31-1 (D-1)	43-007-30040	11256	31-14S-10E	State	SWD	A
UTAH D8	43-007-30431	11256	12-15S-09E	State	SWD	A
RGC D-10	43-007-30520	12545	28-15S-09E	Fee	SWD	A
UTAH M-2	43-007-30066	2889	34-15S-09E	Federal	TW	A
SAMPINOS D-14	43-007-30567	12729	16-15S-10E	Fee	SWD	A
UTAH D-3	43-007-30290	11256	18-15S-10E	State	SWD	A
UTAH D7	43-015-30338	12404	02-16S-09E	State	SWD	A
D-11	43-015-30356	12572	13-16S-09E	Federal	SWD	A

OPERATOR CHANGES DOCUMENTATION

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 01/29/2001
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 01/29/2001
- The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 02/15/2001

4. Is the new operator registered in the State of Utah: YES Business Number: 562960-0143
5. If **NO**, the operator was contacted contacted on: _____
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the (merger, name change, or operator change for all wells listed on Federal or Indian leases on: 01/30/2001
7. **Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
8. **Federal and Indian Communization Agreements ("CA"):** The BLM or the BIA has approved the operator change for all wells listed involved in a CA on: N/A
9. **Underground Injection Control ("UIC") Pro:** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 02/22/2001

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 02/20/2001
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 02/20/2001
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

STATE BOND VERIFICATION:

1. State well(s) covered by Bond No.: 5952189

FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed has furnished a bond: P-207328
2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A
3. (R649-2-10) The **FORMER** operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

FILMING:

1. All attachments to this form have been **MICROFILMED** on: 2.22.01

FILING:

1. **ORIGINALS/COPIES** of all attachments pertaining to each individual well have been filled in each well file on: _____

COMMENTS:

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☐ GAS ☒ OTHER:

2. Name of Operator:

River Gas Corporation

3. Address and
Telephone Number:

6825 S. 5300 W. P.O. Box 851 Price, Utah 84501 (435) 613-9777

4. Location of Well
Footages:

QQ, Sec., T., R., M.:

SLB & M

5. Lease Designation and Serial Number:

6. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

8. Well Name and Number:

9. API Well Number:

10. Field or Pool, or Wildcat:

County: Carbon County

State: Utah

11. **CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA****NOTICE OF INTENT**
(Submit in Duplicate)

- | | |
|---|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Change of Operator</u> | |
| Approximate date work will start _____ | |

SUBSEQUENT REPORT
(Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandon * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |
| Date of work completion _____ | |

Report results of Multiple Completions and Recompletions to different reservoirs on WELL
COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please be advised that River Gas Corporation is transferring ownership of the attached list of wells to Phillips Petroleum Company 9780 Mt. Pyramid Court, Englewood, CO 80112.

Please direct all correspondence and reports to: Phillips Petroleum Company P.O. Box 3368, Englewood, CO 80155-3368.

Effective 1/1/01.

13.

Name & Signature: Cal HurttTitle: Development ManagerDate: 12/19/00

(This space for state use only)

RGC/Phillips Merger

List of Affected BLM Leases and Rights-of-Way

A. Oil & Gas Leases

UTU-47157	UTU-70219	UTU-75016
UTU-49631	UTU-70400	UTU-75019
UTU-50645	UTU-71390	UTU-75021
UTU-51584	UTU-72003	UTU-75022
UTU-53872	UTU-72004	UTU-76332
UTU-57821	UTU-72350	UTU-76334
UTU-60402	UTU-72355	UTU-77351
UTU-60925	UTU-72358	UTU-77353
UTU-61154	UTU-72377	UTU-77354
UTU-61155	UTU-72470	UTU-78408
UTU-61158	UTU-72477	UTU-78409
UTU-61547	UTU-72624	UTU-78410
UTU-61548	UTU-72723	UTU-78411
UTU-62145	UTU-72724	UTU-78412
UTU-62276	UTU-72746	UTU-78413
UTU-65298	UTU-73004	UTU-78782
UTU-65300	UTU-73075	UTU-78783
UTU-65302	UTU-73330	UTU-79150
UTU-65303	UTU-73331	UTU-79151
UTU-67621	UTU-73523	UTU-79152
UTU-67839	UTU-73752	UTU-79153
UTU-67906	UTU-73884	UTU-79154
UTU-68314	UTU-74376	UTU-79155
UTU-69449	UTU-75015	UTU-79159

B. Rights-of-Way

UTU-73226	UTU-77141	UTU-77976
UTU-74319	UTU-77141-01	UTU-77989
UTU-74320	UTU-77151	UTU-77989-01
UTU-76610	UTU-77151-01	
UTU-76629	UTU-77154	

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number	See Attached	API Number
Location of Well		Field or Unit Name
Footage :	County :	Lease Designation and Number
QQ, Section, Township, Range:	State : UTAH	

EFFECTIVE DATE OF TRANSFER: 1/1/01

CURRENT OPERATOR

Company: River Gas Corporation Name: Cal Hurtt
Address: 1300 McFarland Blvd. NE, Suite 300 Signature: Cal Hurtt
city Tuscaloosa state AL zip 35406 Title: Development Supervisor
Phone: (205) 759-3282 Date: 12/19/00
Comments: Change in operatorship due to merger of River Gas Corporation into Phillips Petroleum Company effective 12/31/00 at 11:59 p.m.

NEW OPERATOR

Company: Phillips Petroleum Company Name: X Billy Stacy
Address: 9780 Mt. Pyramid Court Signature: Billy Stacy
city Englewood state CO zip 80112 Title: Asset Manager
Phone: (720) 344-4984 Date: 2-6-01
Comments: Please send all reports and correspondence to:
Phillips Petroleum Company
P.O. Box 3368
Englewood, CO 80155-3368

(This space for State use only)

Transfer approved by: [Signature]
Title: Field Services Manager

Approval Date: 2-21-01

Comments:

Disposal Wells to be transferred from RGC to Phillips Petroleum Company

Well #	API #	Location	Section	Township	Range
American Quasar D1	4300730040	999FSL, 1552 FWL	31	14S	10E
Arcadia-Telonis D2	4300730093	465 FSL, 560 FEL	19	14S	09E
Utah D3	4300730290	1600 FSL, 1530 FEL	18	15S	10E
Utah D4	4300730314	600 FNL, 500 FWL	24	14S	09E
Fauseett D5	4300730351	467 FNL, 1461 FWL	16	14S	09E
Drew D6	4300730100	1300 FSL, 830 FWL	34	14S	09E
Utah D7	4301530338	1371 FSL, 1530 FEL	2	14S	09E
Utah D8	4300730431	1342 FNL, 350 FWL	12	15S	09E
Utah D9	4300730438	1960 FNL, 1487 FWL	32	14S	09E
RGC D10	4300730520	162 FNL, 1557 FEL	28	15S	09E
USA D11	4301530356	1513 FNL, 2437 FEL	13	16S	09E
Sampinos D14	4300730567	1695 FSL, 2133 FEL	16	15S	10E

THOMAS W. BACHTELL
A. JOHN DAVIS, III
JOHN W. ANDERSON
FREDERICK M. MACDONALD
GEORGE S. YOUNG
ANGELA L. FRANKLIN
JOHN S. FLITTON
MICHAEL S. JOHNSON
WILLIAM E. WARD

LAW OFFICES
PRUITT, GUSHEE & BACHTELL
SUITE 1850 BENEFICIAL LIFE TOWER
SALT LAKE CITY, UTAH 84111-1495
(801) 531-8446
TELECOPIER (801) 531-8468
E-MAIL: mail@pgblaw.com

SENIOR COUNSEL:
ROBERT G. PRUITT, JR.
OLIVER W. GUSHEE, JR.

OF COUNSEL:
ROBERT G. PRUITT, III
BRENT A. BOHMAN

January 29, 2001

HAND DELIVERED

Mr. Jim Thompson
Utah Division of Oil, Gas & Mining
1594 W. North Temple
Salt Lake City, UT 84116

Re: River Gas/Phillips Merger

Dear Mr. Thompson:

As you may know, River Gas Corporation ("RGC") merged into Phillips Petroleum Company ("Phillips") effective December 31, 2000 at 11:59 p.m. I have enclosed a Certificate of Articles of Merger issued by the Utah Department of Commerce and, although duplicative, a sundry notice formally evidencing the merger for your records, and a list of all wells, including injection wells, formerly operated by RGC.

Please change the Division's records to reflect the change in operator of these wells from RGC to Phillips. All operational questions should be directed to Phillips at the following address:

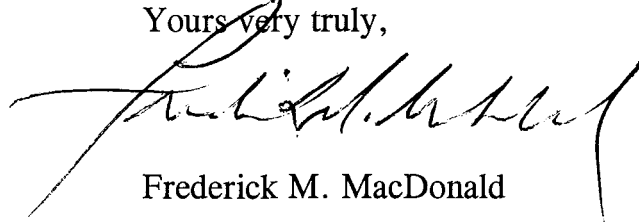
Phillips Petroleum Company
Attn: Billy Stacy, Operations Manager
P.O. Box 3368
Englewood, CO 80155-3368
Telephone No.: (720) 344-4984

Phillips currently has a bond on file with the Division (a copy of which is enclosed for your reference), but I understand an \$80,000 Letter of Credit is in the process of being substituted.

Mr. Jim Thompson
January 29, 2001
Page 2

On behalf of Phillips, I thank you for your cooperation. Should you have any further questions or concerns, please do not hesitate to contact me.

Yours very truly,

A handwritten signature in black ink, appearing to read "F. MacDonald", with a long, sweeping horizontal line extending to the left and a vertical line extending downwards to the right.

Frederick M. MacDonald

FMM:cs
2078.16
Enclosures
cc: W. H. Rainbolt
Billy Stacy



Utah Department of Commerce
Division of Corporations & Commercial Code
160 East 300 South, 2nd Floor, Box 146705
Salt Lake City, UT 84114-6705
Phone: (801) 530-4849
Toll Free: (877) 526-3994 Utah Residents
Fax: (801) 530-6438
Web site: <http://www.commerce.state.ut.us>

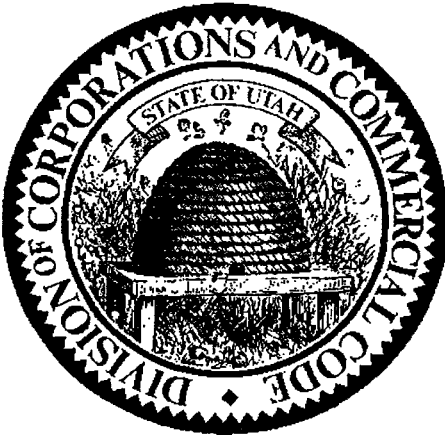
Registration Number: 562960-0143
Business Name: PHILLIPS PETROLEUM COMPANY
Registered Date: JUNE 14, 1946

01/12/01

CERTIFICATE OF ARTICLES OF MERGER

THE UTAH DIVISION OF CORPORATIONS AND COMMERCIAL CODE ("DIVISION") HEREBY CERTIFIES THAT

ARTICLES OF MERGER WERE FILED WITH THIS OFFICE ON DECEMBER 12, 2000 MERGING RIVER GAS CORPORATION, A CORPORATION OF THE STATE OF ALABAMA, INTO PHILLIPS PETROLEUM COMPANY, THE SURVIVING CORPORATION WHICH IS OF THE STATE OF DELAWARE, AS APPEARS OF RECORD IN THE OFFICE OF THE DIVISION.



Ric Campbell
Acting Division Director of
Corporations and Commercial Code

Dept. of Professional Licensing
(801)530-6628

Real Estate
(801)530-6747

Public Utilities
(801)530-6651

Securities
(801)530-6600

Consumer Protection
(801)530-6601

State of Delaware
Office of the Secretary of State

PAGE 1

12/13/2000
Date:
Receipt Number: 188532
Amount Paid: \$145.00

(TS)

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF OWNERSHIP, WHICH MERGES:

"RIVER GAS CORPORATION", A ALABAMA CORPORATION,
WITH AND INTO "PHILLIPS PETROLEUM COMPANY" UNDER THE NAME OF "PHILLIPS PETROLEUM COMPANY", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE SIXTH DAY OF DECEMBER, A.D. 2000, AT 10 O'CLOCK A.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF OWNERSHIP IS THE THIRTY-FIRST DAY OF DECEMBER, A.D. 2000, AT 11:59 O'CLOCK A.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.

12-12-00P04:02 RCVD

TAF
FILED
DEC 12 2000

Utah Div. Of Corp. & Comm. Code

State of Utah
Department of Commerce
Division of Corporations and Commercial Code
I Hereby certify that the foregoing has been filed and approved on this 12 day of Dec 20 2000 in the office of this Division and hereby issue this Certificate thereof.

Examiner

Date



RIC CAMPBELL
ACTING DIRECTOR



Edward J. Freel, Secretary of State

AUTHENTICATION: 0837738

0064324 8100M

001609453

DATE: 12-07-00

CERTIFICATE OF OWNERSHIP AND MERGER

OF

RIVER GAS CORPORATION

(an Alabama corporation)

into

Phillips Petroleum Company

(a Delaware corporation)

It is hereby certified that:

1. Phillips Petroleum Company [hereinafter sometimes referred to as the "Corporation"] is a business corporation of the State of Delaware.

2. The Corporation is the owner of all of the outstanding shares of each class of stock of River Gas Corporation, which is a business corporation of the State of Alabama.

3. The laws of the jurisdiction of organization of River Gas Corporation permit the merger of a business corporation of that jurisdiction with a business corporation of another jurisdiction.

4. The Corporation hereby merges River Gas Corporation into the Corporation.

5. The following is a copy of the resolutions adopted on November 21, 2000 by the Board of Directors of the Corporation to merge the said River Gas Corporation into the Corporation:

"1. Phillips Petroleum Company, which is a business corporation of the State of Delaware and is the owner of all of the outstanding shares of River Gas Corporation, which is a business corporation of the State of Alabama, hereby merges River Gas Corporation into Phillips Petroleum Company pursuant to the provisions of the Alabama Business Corporation Act and pursuant to the

12-12-00P04:02 RCVD

provisions of Section 253 of the General Corporation Law of Delaware.

"2. The separate existence of River Gas Corporation shall cease at the effective time and date of the merger pursuant to the provisions of the Alabama Business Corporation Act; and Phillips Petroleum Company shall continue its existence as the surviving corporation pursuant to the provisions of Section 253 of the General Corporation Law of Delaware.

"3. The Articles of Incorporation of Phillips Petroleum Company are not amended in any respect by this Plan of Merger.

"4. The issued shares of River Gas Corporation shall not be converted or exchanged in any manner, but each said share which is issued immediately prior to the effective time and date of the merger shall be surrendered and extinguished.

"5. Each share of Phillips Petroleum Company outstanding immediately prior to the effective time and date of the merger is to be an identical outstanding share of Phillips Petroleum Company at the effective time and date of the merger.

"6. No shares of Phillips Petroleum Company and no shares, securities, or obligations convertible into such shares are to be issued or delivered under this Plan of Merger.

"7. The Board of Directors and the proper officers of Phillips Petroleum Company are hereby authorized, empowered, and directed to do any and all acts and things, and to make, execute, deliver, file, and/or record any and all instruments, papers, and documents which shall be or become necessary, proper, or convenient to carry out or put into effect any of the provisions of this Plan of Merger or of the merger herein provided for. "

" This Company approves that the effective time and date of the merger herein provided for in the State of Alabama shall be 11:59 p.m. on December 31, 2000."

"Any Vice President, the Treasurer, any Assistant Treasurer, the Secretary, any Assistant Secretary, and each of them severally, be and hereby is authorized to make, execute,

deliver, file, and/or record any and all instruments, papers, and documents which shall be or become necessary, proper, or convenient to carry out or put into effect any of the provisions of these resolutions and to do or cause to be done all such acts as are necessary to give effect to the purpose and intent of the approval herein set forth."

6. This Certificate of Ownership and Merger shall be effective at 11:59 p.m. on December 31, 2000.

Executed on November 27, 2000

Phillips Petroleum Company

N. A. Loftis
N. A. Loftis, Assistant Secretary



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

In Reply Refer To:
3106
UTU-47157 et al
(UT-932)

JAN 30 2001

NOTICE

Phillips Petroleum Company : Oil and Gas
Attn: W. H. Rainbolt, Rocky Mtn. Region-Land :
Box 1967 :
Houston, TX 77251-1967 :

Merger Recognized

Acceptable evidence has been filed in this office concerning the merger of River Gas Corporation into Phillips Petroleum Company with Phillips Petroleum Company being the surviving entity.

The oil and gas lease files and rights-of-way files identified on the enclosed exhibit have been noted as to the merger. The exhibit is the list supplied by the representative of the companies, and verified by our computerized records. We have not adjudicated the case files to determine if the entity affected by the merger holds an interest in the leases identified, nor have we attempted to identify leases where the entity is the operator on the ground, maintaining no vested record title or operating rights interest. We are notifying the Minerals Management Service and all applicable BLM offices of the merger by a copy of this notice. If additional documentation for a change of operator is required by our Field Offices, you will be contacted by them.

By recognition of the merger the obligor is automatically changed by operation of law from River Gas Corporation to Phillips Petroleum Company on Letter of Credit No. P-207337 (BLM Bond No. UT0829). A rider to BLM Bond No. ES0048 assuming any and all liabilities of BLM Bond No. UT0829 must be submitted for approval to the Eastern States Office, Attn: Bill Forbes, 7450 Boston Boulevard, Springfield, VA 22153. After the rider is approved, the Letter of Credit will be returned to the financial institution that issued it.

ROBERT LOPEZ

Robert Lopez
Chief, Branch of
Minerals Adjudication

Enclosure
Exhibit of Leases

RECEIVED

FEB 02 2001

DIVISION OF
OIL, GAS AND MINING

cc: Moab Field Office
Vernal Field Office
Price Field Office
MMS—Reference Data Branch, MS 3130, P.O. Box 5860, Denver, CO 80217
State of Utah, DOGM, Attn: Jim Thompson (Ste. 1210), Box 145801, SLC, UT 84114
The Chase Manhattan Bank, Attn: Standby Letter of Credit Dept., 4 Chase Metrotech Center, 8th Floor
Brooklyn, NY 11245
Teresa Thompson (UT-931)
LaVerne Steah (UT-942)
Pruitt, Gushee & Bachtell, Attn: Frederick M. MacDonald, Suite 1850 Beneficial Life Tower,
Salt Lake City, Utah 84111-1495
BLM, Eastern States Office (Attn: Bill Forbes)

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

ORIGINAL

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☐ GAS ☒ OTHER:

2. Name of Operator:

Phillips Petroleum Company

3. Address and Telephone Number:

6825 South 5300 West, P.O. Box 851, Price, UT 84501 (435) 613-9777

4. Location of Well
Footages:

751' FNL, 1940' FWL

QQ, Sec., T., R., M.:

NE/NW, Sec.19, T14S, R09E, SLB&M

5. Lease Designation and Serial Number:

Patented

6. If Indian, Allottee or Tribe Name:

N/A

7. Unit Agreement Name:

UTU67921X Drunkards Wash

8. Well Name and Number:

Telonis 19-150

9. API Well Number:

43-007-30300

10. Field or Pool, or Wildcat:

Drunkards Wash

County: Carbon County

State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|--|--|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Csg |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |
- Approximate date work will start _____

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|---|--|
| <input type="checkbox"/> Abandon * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Csg |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Chemical/Flush Treatment</u> | |
- Date of work completion 11/30/01

Report results of Multiple Completions and Recompletions to different reservoirs on WELL
COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please be advised that the above referenced well was chemically treated with 4000 gallons of low Ph fluid & 250 gallons of 15% HCL on 11/30/01.

13.

Name & Signature: Lynnette AllredTitle: Administrative AssistantDate: 12/18/01

(This space for state use only)

RECEIVED

MAY 06 2002

DIVISION OF
OIL, GAS AND MINING

62 ✓

INJECTION WELL - PRESSURE TEST

Well Name: <u>Utah D-2</u>	API Number: <u>00730093</u>
Qtr/Qtr: _____	Section: _____
Township: _____	Range: _____
Company Name: <u>Phillips Petroleum Co</u>	
Lease: State <u>X</u>	Fee _____
Federal _____	Indian _____
Inspector: <u>Mark J. Jones</u>	Date: <u>8/10/02</u>

Initial Conditions:

Tubing Rate: 7221 BBLs/DAY Pressure: N/A psi
~~361~~
 Casing/Tubing Annulus - Pressure: 361 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
11:30 am 0	<u>1000 #</u>	<u>N/A</u>
5	_____	_____
10	_____	_____
11:45 am 15	<u>1000 #</u>	<u>N/A</u>
20	_____	_____
25	_____	_____
12:00 pm 30	<u>1000 #</u>	<u>N/A</u>

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: N/A psi
 Casing/Tubing Annulus Pressure: 0 psi

COMMENTS: well permitted for 1200#.

PRCO had 1000# on this well since 10:45 am
I got on location @ 11:25 am and witnessed
until 12:00 noon.

Johnny Damron, Jerry Day
 Operator Representative

Packer 7146'

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH ☒

2. CDW

3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

Operator Name Change

X MergerThe operator of the well(s) listed below has changed, effective: **12-31-02****FROM: (Old Operator):**

PHILLIPS PETROLEUM COMPANY

Address: 980 Plaza Office

Bartlesville, OK 74004

Phone: 1-(918)-661-4415

Account No. N1475

TO: (New Operator):

CONOCOPHILLIPS COMPANY

Address: P O BOX 2197, WL3 4066

HOUSTON, TX 77252

Phone: 1-(832)-486-2329

Account No. N2335

CA No.

Unit:

WELL(S)

NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
UTAH D-15	34-13S-09E	43-007-30819	99999	STATE	SWD	APD
FAUSETT D-5	16-14S-09E	43-007-30351	12165	FEE	SWD	A
ARCADIA-TELONIS 1 (D-2)	19-14S-09E	43-007-30093	99990	FEE	SWD	A
UTAH D-4	24-14S-09E	43-007-30314	11256	STATE	SWD	A
UTAH M-1	26-14S-09E	43-007-30199	11256	STATE	TW	A
UTAH D-9	32-14S-09E	43-007-30438	12771	STATE	SWD	A
USA D-6	34-14S-09E	43-007-30100	12466	FEDERAL	SWD	A
UTAH D-8	12-15S-09E	43-007-30431	11256	STATE	SWD	A
RGC D-10	28-15S-09E	43-007-30520	12545	FEE	SWD	A
UTAH M-2	34-15S-09E	43-007-30066	2889	FEDERAL	TW	A
DRUNKARDS WASH 31-1 (D-1)	31-14S-10E	43-007-30040	11256	STATE	SWD	A
SAMPINOS D-14	16-15S-10E	43-007-30567	12729	FEE	SWD	A
UTAH D-3	18-15S-10E	43-007-30290	11256	STATE	SWD	A
UTAH D-7	02-16S-09E	43-015-30338	12404	STATE	SWD	A
D-11	13-16S-09E	43-015-30356	12572	FEDERAL	SWD	A
PPCO D13	30-16S-09E	43-015-30531	99999	FEE	SWD	DRL

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 01/08/2003
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 01/08/2003
- The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 02/03/2003
- Is the new operator registered in the State of Utah: YES Business Number: 562960-0143
- If **NO**, the operator was contacted on: _____

6. (R649-9-2)Waste Management Plan has been received on: IN PLACE

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: 01/14/2003

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: 01/14/2003

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: 01/14/2003

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 02/04/2003

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 02/03/2003
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 02/03/2003
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: 8140-60-24

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: 8015-16-69

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: N/A

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 6196922
2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS:



Re: Notice of Address Change, Merger and Name Change
Address Change effective **December 2, 2002**
Merger and Name Change effective **December 31, 2002**

Divisions of Oil, Gas, and Mining
Attn: Mr. John Baza
1594 West North Temple,
Suite 1210, P. O. Box 145801
Salt Lake City, UT 84114-5801

Gentlemen:

1. Effective December 2, 2002, Phillips Petroleum Company will close its Englewood, Colorado Rocky Mountain Region office. After that time, all correspondence, notices and invoice for Land related matters should be directed to the address(es) noted below. Note that until December 31, 2002, all properties in which Phillips held an interest will continue to be operated by Phillips Petroleum Company, a wholly-owned subsidiary of ConocoPhillips.

2. On December 31, 2002, Phillips Petroleum Company and Conoco Inc. will merge, and the surviving corporation will be renamed "ConocoPhillips Company".

In accordance with the notice provisions of the Operating Agreements and other agreements, if any, between our companies, please adjust your company/organization records, effective for address purposes as of December 2, 2002, and for company name purposes, as of January 1, 2003, to reflect the following information for addressing and delivery of notices, invoicing and payment, and communications with ConocoPhillips Company. This will also apply to Lease Sale notices and other lease-related correspondence and notifications.

U.S. Mail Address:

ConocoPhillips Company
P.O. Box 2197
Houston, Texas 77252
Attn: Chief Landman,
San Juan/Rockies

Physical Address & Overnight Delivery:

ConocoPhillips Company
550 Westlake Park Blvd.
Three Westlake Park
3WL, Room WL 9000
Houston, Texas 77079
Attn: Chief Landman,
San Juan/Rockies

All ballots and official notices/responses sent by facsimile transmission should be sent to the following contact:

**Attn: Chief Landman,
San Juan/Rockies**

**Fax No.: 832-486-2688 or
832-486-2687**

Please contact the undersigned immediately if you have any questions. This notice does not apply to royalty inquiries, joint interest billings, or revenue remittances. Please continue to use the same addresses you are currently using for these matters

Sincerely,

William Rainbolt

RECEIVED

DEC 02 2002

DIVISION OF
OIL, GAS AND MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

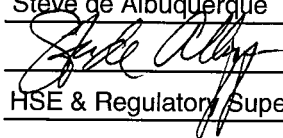
UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number See Attached List	API Number See List
Location of Well Footage : See Attached List County : QQ, Section, Township, Range:	Field or Unit Name Lease Designation and Number
State : UTAH	

EFFECTIVE DATE OF TRANSFER: 1/1/2003

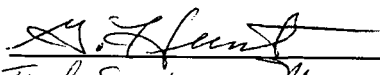
CURRENT OPERATOR

Company: Phillips Petroleum Company
Address: 980 Plaza Office
city Bartlesville state OK zip 74004
Phone: (918) 661-4415
Name: Steve de Albuquerque
Signature: 
Title: HSE & Regulatory Supervisor
Date: 12/30/2002
Comments: Conoco Inc. and Phillips Petroleum Company merged to form ConocoPhillips Company. Please see attached list of wells effected by name change.

NEW OPERATOR

Company: ConocoPhillips Company
Address: P. O. Box 2197, WL3 4066
city Houston state TX zip 77252
Phone: (832) 486-2329
Name: Yolanda Perez
Signature: 
Title: Sr. Regulatory Analyst
Date: 12/30/2002
Comments: Conoco Inc. and Phillips Petroleum Company merged to form ConocoPhillips Company. Please see attached list of wells effected by name change.

(This space for State use only)

Transfer approved by: 
Title: Tech. Services Manager

Approval Date: 2-3-03

Comments: D5, D2 + D3 are due for MIT.

RECEIVED

JAN 08 2003

DIV. OF OIL, GAS & MINING

UIC Well List

SWD WELLS							
api	well_name	section	township	range	well_type	well_status	lease_type
4300730093	ARCADIA-TELONIS 1 (D-2)	19	140S	090E	WD	A	FEE
4301530356	D-11	13	160S	090E	WD	A	FEDERAL
4300730040	DRUNKARDS WASH 31-1 (D-1)	31	140S	100E	WD	A	STATE
4300730351	FAUSETT D5	16	140S	090E	WD	A	FEE
4301530531	PPCO D13	30	160S	090E	WD	DRL	FEE
4300730520	RGC D-10	28	150S	090E	WD	A	FEE
4300730567	SAMPINOS D-14	16	150S	100E	WD	A	FEE
4300730100	USA D6	34	140S	090E	WD	A	FEDERAL
4300730819	UTAH D15	34	130S	090E	WD	APD	STATE
4300730290	UTAH D-3	18	150S	100E	WD	A	STATE
4300730314	UTAH D-4	24	140S	090E	WD	A	STATE
4301530338	UTAH D7	02	160S	090E	WD	A	STATE
4300730431	UTAH D8	12	150S	090E	WD	A	STATE
4300730438	UTAH D-9	32	140S	090E	WD	A	STATE
4300730199	UTAH M-1	26	140S	090E	TW	A	STATE
4300730066	UTAH M-2	34	150S	090E	TW	A	FEDERAL

RECEIVED

JAN 08 2003

DIV. OF OIL, GAS & MINING

List of Produced Water Ponds/Pits

	Permit/ License No.	State/Federal		Immediate Name Change Required		Other Immediate Actions Required*		Agency	Agency Contact Name	Agency Contact Number
		S	F	Y	N	Y	N			
1	EVAPORATION POND	X		X				Utah Dept of Natural Resources, Dept. of Oil Gas and Mining	Gil Hunt	(801) 538-5340
2	D-1 POND	X		X				Utah Dept of Natural Resources, Dept. of Oil Gas and Mining	Gil Hunt	(801) 538-5340
3	D-2 (C-2) POND	X		X				Utah Dept of Natural Resources, Dept. of Oil Gas and Mining	Gil Hunt	(801) 538-5340
4	D-3 POND	X		X				Utah Dept of Natural Resources, Dept. of Oil Gas and Mining	Gil Hunt	(801) 538-5340
* Describe: OPERATIONAL PERMITS FOR PRODUCED WATER PONDS										

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JAN 08 2003

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL

OIL WELL ☐

GAS WELL ☐

OTHER All

2. NAME OF OPERATOR:

Phillips Petroleum Company

3. ADDRESS OF OPERATOR:

980 Plaza Office

CITY Bartlesville

STATE OK

ZIP 74004

PHONE NUMBER:

(918) 661-4415

4. LOCATION OF WELL

FOOTAGES AT SURFACE: See Attached List

COUNTY: Nowata

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: 15 34 23N 10E

STATE:

UTAH

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:

See Attached List

9. API NUMBER:

See List

10. FIELD AND POOL, OR WILDCAT:

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☐ NOTICE OF INTENT
(Submit in Duplicate)

Approximate date work will start:

☒ SUBSEQUENT REPORT
(Submit Original Form Only)

Date of work completion:

☐ ACIDIZE

☐ ALTER CASING

☐ CASING REPAIR

☐ CHANGE TO PREVIOUS PLANS

☐ CHANGE TUBING

☐ CHANGE WELL NAME

☐ CHANGE WELL STATUS

☐ COMMINGLE PRODUCING FORMATIONS

☐ CONVERT WELL TYPE

☐ DEEPEN

☐ FRACTURE TREAT

☐ NEW CONSTRUCTION

☒ OPERATOR CHANGE

☐ PLUG AND ABANDON

☐ PLUG BACK

☐ PRODUCTION (START/RESUME)

☐ RECLAMATION OF WELL SITE

☐ RECOMPLETE - DIFFERENT FORMATION

☐ REPERFORATE CURRENT FORMATION

☐ SIDETRACK TO REPAIR WELL

☐ TEMPORARILY ABANDON

☐ TUBING REPAIR

☐ VENT OR FLARE

☐ WATER DISPOSAL

☐ WATER SHUT-OFF

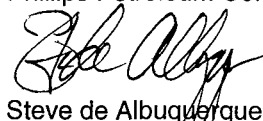
☐ OTHER: _____

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

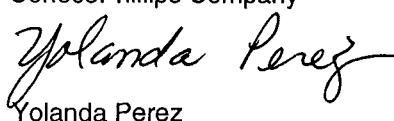
Conoco Inc. was merged into Phillips Petroleum Company, the surviving corporation, on December 31, 2002. In connection with this merger and effective on the same date, the name of the surviving corporation was changed to "ConocoPhillips Company". We are requesting that a new Operator Number be assigned to ConocoPhillips Company.

Please send production reporting forms to Herb Henderson at ConocoPhillips Company, 315 S. Johnstone, 980 Plaza Office, Bartlesville, OK 74004. Herb's phone number is 918-661-4415.

Current Operator
Phillips Petroleum Company


Steve de Albuquerque

New Operator
ConocoPhillips Company


Yolanda Perez

RECEIVED

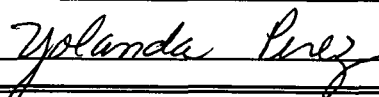
JAN 08 2003

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Yolanda Perez

TITLE Sr. Regulatory Analyst

SIGNATURE



DATE

12/30/2002

(This space for State use only)



SECRETARY'S CERTIFICATE

I, the undersigned, Jennifer M. Garcia, Assistant Secretary of ConocoPhillips Company, formerly Phillips Petroleum Company, organized and existing under and by virtue of the laws of the State of Delaware (the "Corporation"), hereby certify that:

1. As Assistant Secretary I am authorized to execute this certificate on behalf of the Corporation.
2. The attached photocopy of the Certificate of Amendment to the Restated Certificate of Incorporation of Phillips Petroleum Company (to be renamed ConocoPhillips Company) is a true and correct copy as filed in the office of the Secretary of State of Delaware on the 12th day of December 2002, with an effective date of January 1, 2003 and such Certificate of Amendment has not been modified, amended, rescinded or revoked and is in full force and effect as of the date hereof.
3. The attached photocopy of the Certificate of Merger of Conoco Inc. with and into ConocoPhillips Company is a true and correct copy as filed in the office of the Secretary of State of Delaware on the 12th day of December 2002, with an effective date of December 31, 2002 and such Certificate of Merger has not been modified, amended, rescinded or revoked and is in full force and effect as of the date hereof.

IN WITNESS WHEREOF, I have hereunto set my hand as Assistant Secretary and affixed the corporate seal of the Corporation this 7th day of January 2003.

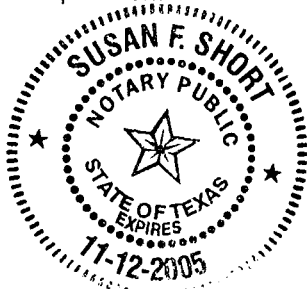

Assistant Secretary
ConocoPhillips Company

STATE OF TEXAS

COUNTY OF HARRIS

§
§
§

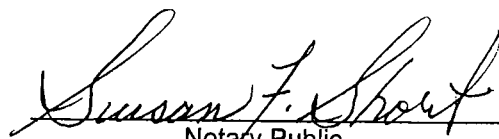
This instrument was acknowledged before me on January 7, 2003, by Jennifer M. Garcia, Assistant Secretary of ConocoPhillips Company, a Delaware corporation, on behalf of said Corporation.



RECEIVED

JAN 08 2003

DIV. OF OIL, GAS & MINING


Notary Public

Delaware

PAGE 1

The First State

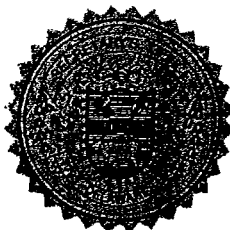
I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "PHILLIPS PETROLEUM COMPANY", CHANGING ITS NAME FROM "PHILLIPS PETROLEUM COMPANY" TO "CONOCOPHILLIPS COMPANY", FILED IN THIS OFFICE ON THE TWELFTH DAY OF DECEMBER, A.D. 2002, AT 1:41 O'CLOCK P.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF AMENDMENT IS THE THIRTY-FIRST DAY OF DECEMBER, A.D. 2002, AT 11 O'CLOCK P.M.

RECEIVED

JAN 08 2003

DIV. OF OIL, GAS & MINING



0064324 8100

030002793

Harriet Smith Windsor

Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 2183360

DATE: 01-02-03

STATE OF DELAWARE
SECRETARY OF STATE
DIVISION OF CORPORATIONS
FILED 01:41 PM 12/12/2002
020763238 - 0064324

PHILLIPS PETROLEUM COMPANY
(to be renamed ConocoPhillips Company)

1. The amendments to Phillips' Restated Certificate of Incorporation set forth below were duly adopted in accordance with the provisions of Section 242 of the DGCL and have been consented to in writing by the sole stockholder of Phillips in accordance with Section 228 of the DGCL.

"The name of the corporation (which is hereinafter referred to as the "Corporation") is ConocoPhillips Company."

"Section 1. The Corporation shall be authorized to issue 2,100 shares of capital stock, of which 2,100 shares shall be shares of Common Stock, \$.01 par value ("Common Stock")."

HOU03:884504.1

JAN 08 2003

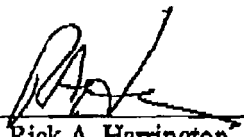
DIV. OF OIL, GAS & MINING

FROM RL&F#1

(THU) 12. 12' 02 13:32/ST. 13:31/NO. 4864756279 P 6

IN WITNESS WHEREOF, Phillips has caused this certificate to be executed this
12th day of December, 2002.

PHILLIPS PETROLEUM COMPANY

By: 
Name: Rick A. Harrington
Title: Senior Vice President, Legal,
and General Counsel

HOU03:884504.1

RECEIVED
JAN 08 2003
DIV. OF OIL, GAS & MINING

Delaware

PAGE 1

The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

"CONOCO INC.", A DELAWARE CORPORATION,

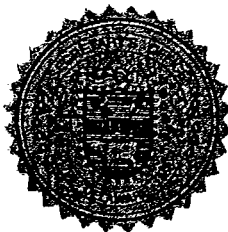
WITH AND INTO "CONOCOPHILLIPS COMPANY" UNDER THE NAME OF "CONOCOPHILLIPS COMPANY", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE TWELFTH DAY OF DECEMBER, A.D. 2002, AT 1:44 O'CLOCK P.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF MERGER IS THE THIRTY-FIRST DAY OF DECEMBER, A.D. 2002, AT 11:59 O'CLOCK P.M.

RECEIVED

JAN 08 2003

DIV. OF OIL, GAS & MINING



0064324 8100M

030002793

Harriet Smith Windsor

Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 2183370

DATE: 01-02-03

CERTIFICATE OF MERGER

of

Conoco Inc.
 (a Delaware corporation)

with and into

ConocoPhillips Company
 (a Delaware corporation)

Phillips Petroleum Company, a Delaware corporation to be renamed ConocoPhillips Company prior to the effective time of this certificate of merger (the "Surviving Corporation"), in compliance with the requirements of the General Corporation Law of the State of Delaware (the "DGCL") and desiring to effect a merger of Conoco Inc., a Delaware corporation formerly incorporated under the name Du Pont Holdings, Inc. (the "Merging Corporation," and together with the Surviving Corporation, the "Constituent Corporations"), with and into the Surviving Corporation, and acting by its duly authorized officer, DOES HEREBY CERTIFY that:

First: As of the date hereof, the name and state of incorporation of each of the Constituent Corporations of the merger are as follows:

<u>NAME</u>	<u>STATE OF INCORPORATION</u>
PHILLIPS PETROLEUM COMPANY	Delaware
CONOCO INC.	Delaware

Second: An agreement and plan of merger has been approved, adopted, certified, executed and acknowledged by each of the Constituent Corporations in accordance with the requirements of Section 251 of the DGCL;

Third: The name of the Surviving Corporation will be ConocoPhillips Company;

Fourth: The Certificate of Incorporation of ConocoPhillips Company immediately prior to the merger shall be the Certificate of Incorporation of the Surviving Corporation until such time as it may be amended in accordance with applicable law and the provisions thereof;

Fifth: The executed agreement and plan of merger is on file at an office of the Surviving Corporation, the address of which is 600 North Dairy Ashford, Houston, Texas 77079;

RECEIVED

JAN 08 2003

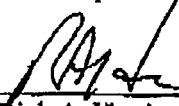
DIV. OF OIL, GAS & MINING

Sixth: A copy of the agreement and plan of merger will be furnished by the Surviving Corporation, on request and without cost, to any stockholder of any Constituent Corporation; and

Seventh: Pursuant to Section 103(d) of the DGCL, this certificate of merger will become effective at 11:59 p.m., Eastern time, on December 31, 2002.

Dated: December 12, 2002

PHILLIPS PETROLEUM COMPANY
(a Delaware corporation)

By: 
Name: Rick A. Harrington
Title: Senior Vice President, Legal,
and General Counsel

STATE OF UTAH
DEPARTMENT OF COMMERCE
REGISTRATION

CONOCOPHILLIPS COMPANY

EFFECTIVE
06/14/1946

EXPIRATION
*RENEWAL

REFERENCE NUMBER(S), CLASSIFICATION(S) & DETAIL(S)

Corporation - Foreign - Profit
562960-0143

UNITED STATES CORP CO
CONOCOPHILLIPS COMPANY
GATEWAY TOWER EAST STE 900
10 EAST SOUTH TEMPLE
SLC UT 84133

RECEIVED

JAN 08 2003

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF COMMERCE
DIVISION OF CORPORATIONS & COMMERCIAL CODE
REGISTRATION

EFFECTIVE DATE: 06/14/1946
EXPIRATION DATE: *RENEWAL
ISSUED TO: CONOCOPHILLIPS COMPANY



REFERENCE NUMBER(S), CLASSIFICATION(S) & DETAIL(S)
562960-0143 Corporation - Foreign - Profit
*RENEWAL

You will need to renew your registration each anniversary date of the effective date.
Exceptions: DBAs and Business Trusts renew every three (3) years from the effective date.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Eastern States Office
7450 Boston Boulevard
Springfield, Virginia 22153

IN REPLY REFER TO
3106.8(932.34)WF

January 16, 2003

NOTICE

ConocoPhillips Company	:	Oil & Gas Leases
P.O. Box 7500	:	
Bartlesville, Oklahoma 74005	:	

Merger/Name Change Recognized

Acceptable evidence was received in this office on January 14, 2003, concerning the change of name of Phillips Petroleum Company to **ConocoPhillips Company** and the merger of **Conoco Incorporated** into **ConocoPhillips Company** on Federal oil and gas leases, with **ConocoPhillips Company** being the surviving entity.

The Secretary of the State of Delaware certified the effective date of this merger effective December 31, 2002.

The oil and gas lease files identified on the enclosed exhibit have been noted to the merger. The exhibit was compiled from a list of leases obtained from your list of leases. Eastern States has not abstracted the lease files to determine if the entities affected by this merger hold an interest in the leases identified nor have we attempted to identify leases where the entities are the operator on the ground maintaining no vested record title or operating rights interest. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of this merger and name change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

If you identify other leases in which the merging entity maintain an interest, please contact this office and we will appropriately document those files with a copy of this Notice.

By Operation of law the name of the principal on Nationwide Oil and Gas Bond held by Conoco Incorporated (ES0085) has been changed to ConocoPhillips Company.

If you have any questions, please contact Bill Forbes at 703-440-1536.

S/ Wilbert B. Forbes

Wilbert B. Forbes
Land Law Examiner
Branch of Use Authorization
Division of Resources Planning, Use
and Protection

bc: JFO, BLM State Offices, MMS, ES RF, 930 RF, ES-932;
Bforbes:wbf:01/16/03:440-1536/ConocoPhillips Co

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: Patented
2. NAME OF OPERATOR: ConocoPhillips Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA
3. ADDRESS OF OPERATOR: P.O. Box 851 CITY Price STATE UT ZIP 84501		7. UNIT or CA AGREEMENT NAME: Drunkards Wash UTU-67921X
PHONE NUMBER: (435) 613-9777		8. WELL NAME and NUMBER: Telonis D2
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1850' FSL, 750' FWL		9. API NUMBER: 4300730093
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESE 19 14S 09E S		10. FIELD AND POOL, OR WILDCAT: Drunkards Wash
COUNTY: Carbon		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Reclamation of water retention pond.</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please be advised that ConocoPhillips is proposing to reclaim the Telonis D2 water retention pond located at the C-2 compressor station. This pond was originally constructed in 1997 for a temporary holding pond for produced water prior to injection in the D2 disposal well. This pond has not been utilized for retention of produced water for about four years. Rain water and snow melt has ran into the pond from the compressor site and deposited a minor amount of sediment near the head of the pond. This sediment does not not contain any contaminated material, so it will be left in place.

Holes will be made in the bottom of the pond liner prior to covering with soil material. This will allow any water that infiltrates the pond fill to move down through the bottom of the pond and will not build up hydraulic pressure.

The top portion of the liner around the sides of the pond will be cut and removed or folded in and covered with fill material. The entire pond area will be filled in with material from the earth dike surrounding the pond. The area will be recontoured to match the existing terrain in the area.

The surface of the fill will be scarified and reseeded with the seed mix recommended for that area.

The land owner verification letter is attached for documentation of their consent to this plan.

NAME (PLEASE PRINT) Jean Semborski TITLE Planning and Compliance Supervisor
SIGNATURE *Jean Semborski* DATE 1/28/2005

(This space for State use only)

RECEIVED

FEB 0 / 2005

DIV. OF OIL, GAS & MINING

Approved by the
Utah Division of
Oil, Gas and Mining

(See Instructions on Reverse Side)

Date: 02-07-05
By: *[Signature]*

NICK SAMPINOS

Attorney at Law

190 North Carbon Avenue
Price, Utah 84501

Telephone: (435) 637-9000
Fax: (435) 637-2111

January 26, 2005

Jean Semborski
Planning and Compliance Supervisor
ConocoPhillips Company
P.O. Box 851
Price, UT 84501

RE: Proposed plan for D-2 pond removal

Dear Mrs. Semborski:

I'm responding to your letter requesting my review of the proposed Reclamation Plan for the D-2 pond located at the C-2 compressor station on Porphyry Bench, west of Price. In reviewing my file, it appears that the C-2 compressor station is located on land owned by the Telonis family and leased to ConocoPhillips pursuant to that certain Lease dated April 1, 1997.

Having reviewed the proposed Reclamation Plan, I find the same acceptable.

If you need anything further concerning this matter, please let me know.

Thank you for your attention to this matter and for the notification.

Sincerely,



Nick Sampinos
Attorney in Fact for the Telonis Family

NS/nn

xc: Telonis Family

RECEIVED

FEB 0 / 2005

DIV. OF OIL, GAS & MINING

The logo for ConocoPhillips, featuring the company name in a bold, sans-serif font. Above the 'o' in 'Conoco' is a stylized, dark, wing-like graphic element.

Physical Address: 6825 South 5300 West
Price, Utah 84501

Warehouse: 6815 South 5300 West
Price, Utah 84501

Mailing/Billing Address: P.O. Box 851
Price, Utah 84501

RECEIVED

FEB 07 2005

DIV. OF OIL, GAS & MINING

DATE:

2/7/05

TO:

GIL HUNT

COMPANY:

FAX NUMBER:

801/359-3940

FROM:

The Desk of Jean Pemborski

FAX#:

Planning and Compliance Supervisor(435) 613-9782

MESSAGE:

HERE IS THAT D-2 POWER SUPPLY.

This transmission consists of 3 pages (incl. cover page). If you receive an incomplete transmittal or have received this facsimile in error, please call (435) 613-9777. Thank You.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

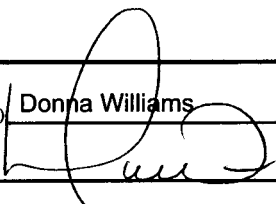
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Water Disposal</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: <u>Fee</u>
2. NAME OF OPERATOR: <u>ConocoPhillips Company</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: <u>N/A</u>
3. ADDRESS OF OPERATOR: P. O. Box 51810 CITY <u>Midland</u> STATE <u>TX</u> ZIP <u>79710-1810</u>		7. UNIT or CA AGREEMENT NAME: <u>UTU-67921X</u>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <u>465' FSL & 560' FEL</u>		8. WELL NAME and NUMBER: <u>Arcadia-Telonis #1 (D-2 SWD)</u>
COUNTY: <u>Carbon</u>		9. API NUMBER: <u>4300730093</u>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <u>SESE 19 14S 9E</u>		10. FIELD AND POOL, OR WILDCAT: <u>Drunkards Wash</u>
STATE: <u>UTAH</u>		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>4/1/07</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Install tbq</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

ConocoPhillips Company respectfully requests that the attached procedure to install a 3 1/2" tbq string inside the 7" production csg be approved. The procedure is submitted to meet the requirement that a tubing string be inside a casing string to protect shallow water contamination from casing leaks.

NAME (PLEASE PRINT) <u>Donna Williams</u>	TITLE <u>Sr. Regulatory Analyst</u>
SIGNATURE 	DATE <u>2/5/2007</u>

(This space for State use only)

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 2/14/07
BY: [Signature] (See Instructions on Reverse Side)
*Contact Mark Jones w/DOGM Prior to Conducting MT

RECEIVED
FEB 12 2007
DIV. OF OIL, GAS & MINING

(5/2000)



**Drunkard's Wash Arcadia-Telonis No. 1 (D-2 SWD) Well
Install Tubing Procedure**

Revised Friday, February 02, 2007

Location: 465' FSL & 560' FEL (SESE), Sec. 19, T14S, R9E Carbon, Utah
Spud Date: 9/11/1983
API Number: 43-007-30093

Original TD: 13,013'
Packer Depth: 7" Arrow-Pak Wireline Set Tubing Retrievable Packer set @ 7,151' (Below pkr. 1,3 ½" tubing sub, 3 ½" X Nipple, 1, 3 ½" tubing sub, XN Nipple) See wellbore sketch.

KBE: 6397'
GLE: 6371'
KBM: 26' above GL

Tubulars

Csg/Tubing Size (in)	Depth (ft)	Wt (lb/ft)	Grade	Drift ID	Burst (psi)	Coll. (psi)
13-3/8	0 – 1072'	54.5				
9-5/8	0 - 7380'	40				
7	0 – 7800'	26	L-80	6.151	7240	5410

Project Overview:

The intent of this procedure will be to install a tubing string in the D-2 active SWD well, as required by the State of Utah Department of Natural Resources. Currently the well is an active SWD well with disposal water being injected via 7" casing. Within recent years the State of Utah has required water injection & disposal be contained within a tubing string inside a casing string to protect shallow water contamination from casing leaks.

In June, 1996 the D-2 well was converted to a Navajo formation SWD well from perforations at 7,235' to 7,376'. The D-2 SWD well serves as the water disposal well for the Drunkard Wash field and disposes of approximately 2,000 bbls per day of produced water from the Ferron formation.

Currently the well has a 7" permanent packer set at 7,151' with 3 ½" tubing subs and a X and XN profile nipples below. This procedure will consist of rigging up and running 7,150 of 3 ½" tubing, landing into the existing packer, performing a MIT test and placing back on injection.

This project is considered as non-discretionary as it is required by the State of Utah for continued operation.

Existing Perforations:

Navajo: 7,205 – 7,206 (Squeezed)
 7,235 – 7,376

Well Control Requirements:

Well Control: Well Control equipment and procedures will be in accordance with the ConocoPhillips Well Control Manual, Second Edition, Revision Two, dated August 1994.

Well Category: The D-2 SWD well is expected to be dead once the well is shut-in. If required the well will be flowed back or killed with 10 ppg kill weight fluid. Since this is a SWD well and is not expected to flow at any time during the operation, this well is to be considered a **Category 1** well.

BOPE Class 2: Standard procedures for the area requires a Class 2 or Hydraulic operated BOP stack. The actual stack will consist of a hydraulic operated 5M PSIG BOP stack with 3 ½" tubing rams on top and blinds below. NU shop tested BOP stack on top of companion flange. Test as per SOP.

Workover Fluid: Use treated 10.0 ppg brine water for duration of operations. Use dynamic head kill procedure if required to maintain control of the well during tripping and installation / removal of BOP's.

Note: All depths referenced to 26' RKB.

Procedure

Notify the State of Utah representatives a minimum of 24 hours prior to moving in to inform them of ConocoPhillips plans and timing.

1. Shut the well in and allow the well to bleed off surface pressure. Load casing with 10 ppg brine water if required. Lay bleed line from tubing head to frac tank or steel lined pit. Leave bleed line open while installing BOP stack.
 2. MIRU workover rig. Insure well is dead prior to removing wellhead. Install a minimum of a 5,000 PSI WP BOP with 3 ½" pipe rams on top and blinds on bottom. Test BOP as per SOP.
 3. PU and TIH with Weatherford Completion Systems seal stack assembly on approximately 7150' of 3 ½", 9.2 ppg, J-55 tubing. See attached sketch.
 4. Latch into the 7" packer at 7,151'. Load the casing and test to 500 PSIG for 15 minutes.
 5. Release from the packer, PU and space out. RU pump truck and pump packer fluid via casing.
 6. Drop down and latch onto the packer. Install tubing hanger and land tubing. ND the BOP stack and re-install existing injection wellhead valves. RD pulling unit.
 7. Perform MIT test as per State requirements.
-

Drunkards Wash Emergency Contact Information

Arcadia-Telonis #1 (D-2 SWD):

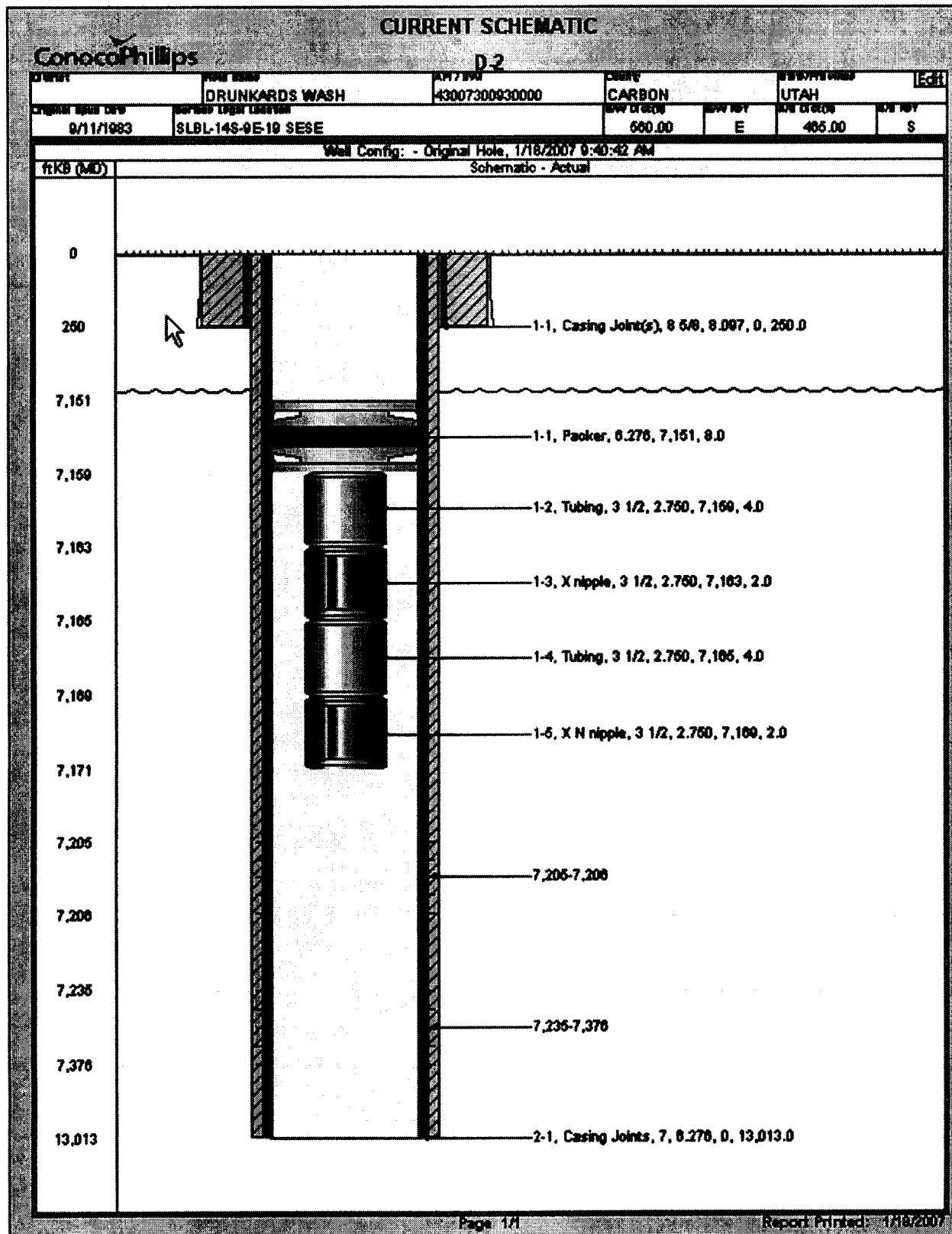
Location: Lat: 39.5874312, Long: -110.9486214

DIAL 911 for all emergency services

<u>ConocoPhillips</u>	Office:	<u>(435) 613-9777</u>	Fax:	<u>(434) 613-9782</u>
Jim Weaver	Operations Superintendent	<u>820-6379</u>	cell	
Jeff Sandoval	Health / Safety / Environment	<u>820-6576</u>	cell	
Russell Getman	Southern Operations Supervisor	<u>820-8524</u>	Cell	
Steve Lessar	Northern Operations Supervisor	<u>636-5027</u>	cell	
Colby Guest	Project and operations lead	<u>636-6888</u>	cell	
Mike Greenan	Project and operations lead	<u>820-8325</u>	cell	

Contractors

Weatherford Oil Tools	Office	<u>(435) 789-7121</u>
<u>Tracy Nielson</u>	cell	<u>(435) 828-7794</u>
Nelco Construction	Office	<u>(435) 637-3495</u>
<u>Garth</u>	cell	<u>(435) 636-7000</u>
Noyes Trucking	Office	<u>(435) 613-0430</u>
<u>Wes Noyes</u>	cell	<u>(435) 820-8832</u>
Graco tool rental	Office	<u>(435) 789-6804</u>
<u>Lowell Aycock</u>	cell	<u>(435) 790-0745</u>
Rain for Rent Tanks	Office	<u>(801) 292-9996</u>
<u>Lin Bell</u>	cell	<u>(801) 541-1661</u>
Halliburton	Office	<u>(435) 789-2550</u>
<u>Barry Winter</u>	Office	
Basic Energy/Energy Air	Office	<u>(970) 241-6029</u>
<u>Mike Sexton</u>	Cell	<u>(970) 260-3856</u>
<u>Bob Delong</u>	Cell	<u>(970) 858-7826</u>
Wood's Group Wellhead,	Cell	<u>(435) 828-2598</u>
<u>Garth George</u>		
Waste Logistics,	Office	<u>(435) 472-2580</u>
<u>Jesse Mccourt</u>	Cell	<u>(435) 636-5422</u>



INJECTION WELL - PRESSURE TEST

Well Name: <u>Arcadia-Telmos 1 (02)</u>	API Number: <u>430073009-3</u>
Qtr/Qtr: <u>SE/SE</u> Section: <u>19</u>	Township: <u>14 S.</u> Range: <u>9 E</u>
Company Name: <u>Conoco Phillips Co.</u>	
Lease: State <u> </u> Fee <u>✓</u>	Federal <u> </u> Indian <u> </u>
Inspector: <u>M. Jones</u>	Date: <u>5/8/07</u>

Initial Conditions:

Tubing - Rate: 0 Pressure: 0 psi
 Casing/Tubing Annulus - Pressure: 0 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
8:22 am 0	<u>1000 #</u>	<u>0 #</u>
5	<u>998 #</u>	<u>0 #</u>
10		
15	<u>1004 #</u>	<u>0 #</u>
20	<u>1008 #</u>	<u>0 #</u>
25	<u>1011 #</u>	<u>0 #</u>
11:52 am 30	<u>1013 #</u>	<u>0 #</u>

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 0 psi
 Casing/Tubing Annulus Pressure: 0 psi

COMMENTS: packer set @ 7129' Tubing strung into packer
No signs of H₂S.

[Signature]
 Operator Representative

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 MAY 14 2007
 DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Water Disposal</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
2. NAME OF OPERATOR: ConocoPhillips Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: P.O. Box 51810 CITY <u>Midland</u> STATE <u>TX</u> ZIP <u>79710-1810</u>		7. UNIT or CA AGREEMENT NAME: UTU-67921X
4. LOCATION OF WELL FOOTAGES AT SURFACE: <u>465' FSL & 560' FEL</u>		8. WELL NAME and NUMBER: Arcadia-Telonis #1 (D-2 SWD)
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <u>SESE 19 14S 9E</u>		9. API NUMBER: 4300730093
		10. FIELD AND POOL OR WILDCAT: Drunkards Wash
		COUNTY: <u>Carbon</u>
		STATE: UTAH

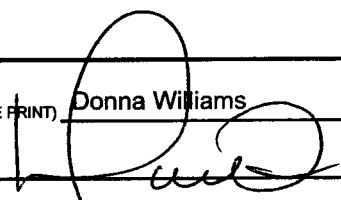
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: <u>5/8/2007</u>	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Install tbq, MIT</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

5/7/07: SIRU, ND wellhead. Pump 100 bbls 10# brine down well, monitor for 30 minutes. ND master valve, NU spool, NU BOP, RU floor, PU seal assembly and TIH w/tbg. Space out and land at 7172'. Fill tbq and test to 1000# for 15 minutes. Sting out of packer.

5/8/07: Circ packer fluid, sting into packer, ND BOP, NU WH. Rig down. Perform successful MIT, 1000# for 30 minutes. Test witnessed by Mark Jones, DOGM.

NAME (PLEASE PRINT) <u>Donna Williams</u>	TITLE <u>Sr. Regulatory Specialist</u>
SIGNATURE 	DATE <u>5/10/2007</u>

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MAY 15 2007

UTAH DIVISION OF OIL, GAS AND MINING

NOTICE OF REPORTING PROBLEMS

Operator: Conocophillips Company Account: N2335 Today's Date: 09/16/2008

Problems:

- ☐ Late Report(s)
☐ Inaccurate Report(s)
☐ Incomplete Report(s)
☒ Other: No Subsequent Reports

Failure to submit reports in a timely, accurate, and complete manner may result in the issuance of a Notice of Violation by the Division of Oil, Gas and Mining, and may result in the Division pursuing enforcement action as outlined in Rule R649-10, Administrative Procedures, and Section 40-6-11 of the Utah Code.

To avoid compliance action, these reporting problems should be resolved within 7 days.

Send reports to:

Utah Division of Oil, Gas and Mining
 1594 West North Temple, Suite 1210
 P.O. Box 145801
 Salt Lake City, Utah 84114-5801

Fax to:

(801) 359-3940 *43 007 30093*
Arcadia-Telonis 1 (DZ)
14S 9E 19

Type of Report	Month(s) of Problem Report		
<input type="checkbox"/> Production – Form 10 <input type="checkbox"/> Disposition – Form 11 <input type="checkbox"/> Gas Plant – Form 13 <input type="checkbox"/> Enhanced Recovery – UIC Form 2 <input type="checkbox"/> Injection – UIC Form 3 <input type="checkbox"/> Other _____			
Type of Report	Well Name(s)	API Number(s)	Drilling Commenced
<input type="checkbox"/> Spud Notice – Form 9 <input type="checkbox"/> Drilling Reports – Form 9 <input type="checkbox"/> Well Completion Report – Form 8 <input checked="" type="checkbox"/> Other <u>Subsequent Sundry</u>	<input checked="" type="checkbox"/> List Attached		

Description of Problem:

Operator has submitted sundry of intents on the following wells that have been approved by DOGM. Per Rule 649-3-23, a subsequent report shall be submitted on Form 9, Sundry Notice, with in 30 days after completion. The report should show workover results, well status, work completion date, new perforation depths, etc

If you have questions or concerns regarding this matter, please contact Rachel Medina at (801) 538-5260 .

cc: Compliance File
 RAM
 Well File
 CHD

NOTICE OF REPORTING PROBLEMS

Operator: Conocophillips Company Account: N2335 Today's Date: 09/16/2008

[illegible]

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>SWD</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: State
2. NAME OF OPERATOR: ConocoPhillips Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: P.O. Box 51810 CITY Midland STATE Tx ZIP 79710		7. UNIT or CA AGREEMENT NAME: Drunkards Wash
4. LOCATION OF WELL FOOTAGES AT SURFACE: 465 FSL & 560 FEL		8. WELL NAME and NUMBER: Telonis D-1 SWD
PHONE NUMBER: (432) 688-6943		9. API NUMBER: 43-007-300 <u>30093</u>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESE 19 14S 9E		10. FIELD AND POOL, OR WILDCAT: Drunkards Wash

COUNTY: Carbon

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 9/13/2012	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Repair</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

ConocoPhillips Company respectfully submits the wellview reports attached related to the repair of the above well. This well failed the required MIT in May. A successful MIT was performed post workover and was witnessed by a representative of DOGM. A copy of the chart is attached.

NAME (PLEASE PRINT) <u>Donna Williams</u>	TITLE <u>Sr. Regulatory Advisor</u>
SIGNATURE <u>[Signature]</u>	DATE <u>10/9/2012</u>

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OCT 12 2012



Vendor Operations Summary Report

TELONIS D-2

Common WellName TELONIS D-2		Primary Job Type LOAD AND TEST		Job Category TESTING	
Actual Start Date 9/4/2012	End Date	Spud / KO Date	Rig Accept Date 9/4/2012	Rig Release Date	
Contractor NABORS WELL SERVICE			Rig Name/No NABORS WS 1457		

9/4/2012 07:00 - 9/4/2012 18:00

Last 24hr Summary

MOVE FROM 71 TO D2, RU ND WH NU BOPS AND ANNULAR AND TEST, RU CATWALK AND PIPE RACKS, DIG PIT AND FENCE

Time Log

Start Time	End Time	Dur (hrs)	Op Code	Activity Code	Phase	Operation
07:00	08:30	1.50	MOVE	SFTY	MIRU	SAFETY MEETING JSA JSP HSE HANDBOOK, COPC GO CARDS, WEEKLY BOP DRILL, RIG MAINTENCE, DERRICK INSPECTION, RED BOOK RIG INSPECTION
08:30	10:00	1.50	MOVE	MOB	MIRU	PRE TRIP INSPECTIONS, MOVE RIG AND EQUIPMENT 13 MILES TO D -2, POST TRIP INSPECTIONS
10:00	10:15	0.25	MOVE	SFTY	MIRU	JSA
10:15	11:30	1.25	RPEQPT	RURD	MIRU	LOTO SPOT IN RIG UP DERRICK INSPECTION
11:30	17:30	6.00	RPEQPT	BOPE	SURPRD	RIG UP PUMP LINES, (DIG PIT WITH NIELSON), ND TOP SECTION OF INJECTION WELL, NU BOPS, NU ANNULAR, SPOT IN CAT WALK AND TBG RACKS, RIG UP FLOOR, XO TO TBG EQUIPMENT, FENCE IN PIT, SHUT WELL IN AND SDFN

9/5/2012 07:00 - 9/5/2012 20:00

Last 24hr Summary

POOH SCANNING TBG, ALL BUT THE BOTTOM JNT WAS GOOD, RIH W/ TBG AND STING INTO PKR, RELEASE PKR AND POOH W/ SUBS

Time Log

Start Time	End Time	Dur (hrs)	Op Code	Activity Code	Phase	Operation
07:00	09:30	2.50	RPEQPT	SFTY	SURPRD	COPC SAFETY MEETING AT FAIR GROUNDS, TRAVEL TO D -2, SAFETY MEETING JSA JSP HSE HANDBOOK, COPC GO CARDS, WITH PRS, CHAMPION, NOYES TRUCKING, NIELSON, AND WEATHERFORD TOOL HAND
09:30	16:00	6.50	RPEQPT	ALFT	SURPRD	UNLAND WELL, RIG UP PRS TO SCAN TBG, WORK TO RELEASE TBG, POOH WITH 219 JTS OF 3 1/2 TBG THROUGH X -RAY, TALLYING, BOTTOM JT DID NOT PASS, LAYED IT DOWN (BAD),
16:00	20:00	4.00	RPEQPT	ALFT	SURPRD	RIH WITH TBG AND STING INTO PACKER, RELEASE PACKER AND LD PUP JTS, SHUT WELL IN AND SDFN

9/6/2012 07:00 - 9/6/2012 17:00

Last 24hr Summary

POOH W/ TBG LD PKR AND RETRIEVING HEAD, PU TEST PLUG AND PKR RIH TO 7134 AND SET PLUG, FILL AND TEST TO 1500#, FAILED, POOH W/ TBG AND LEAVE AT 4425

Time Log

Start Time	End Time	Dur (hrs)	Op Code	Activity Code	Phase	Operation
07:00	07:30	0.50	RPEQPT	SFTY	SURPRD	SAFETY MEETING JSA JSP HSE HANDBOOK, COPC GO CARDS
07:30	10:30	3.00	RPEQPT	ALFT	SURPRD	POOH WITH TBG LD RETRIEVED PACKER, AND BHA, (6' PUP 3 1/2, X NIPPLE, 6' PUP 3 1/2, XN NIPPLE, RE ENTERY)
10:30	18:00	7.50	RPEQPT	PRTS	SURPRD	RIH WITH TEST PACKER, 2 1/2 SEAT NIPPLE, XO, 219 JTS 3 1/2" TBG SET PACKER AT 7134', FILL CSG AND PRESSURE TEST TO 1500 PSI (TEST FAILED), POOH WITH TBG, LEFT EOT @4425', SHUT WELL IN AND SDFN

9/7/2012 07:00 - 9/7/2012 16:00

Last 24hr Summary

CONTINUE OOH W/ TBG AND PKR, SET PLU AT 7125 AND SET PKR AT 7115, AND TEST GOOD TEST, RELEASE PKR POOH TO 3517 AND SET PKR AND TEST TO 1600#, GOOD TEST, RELEASE PKR

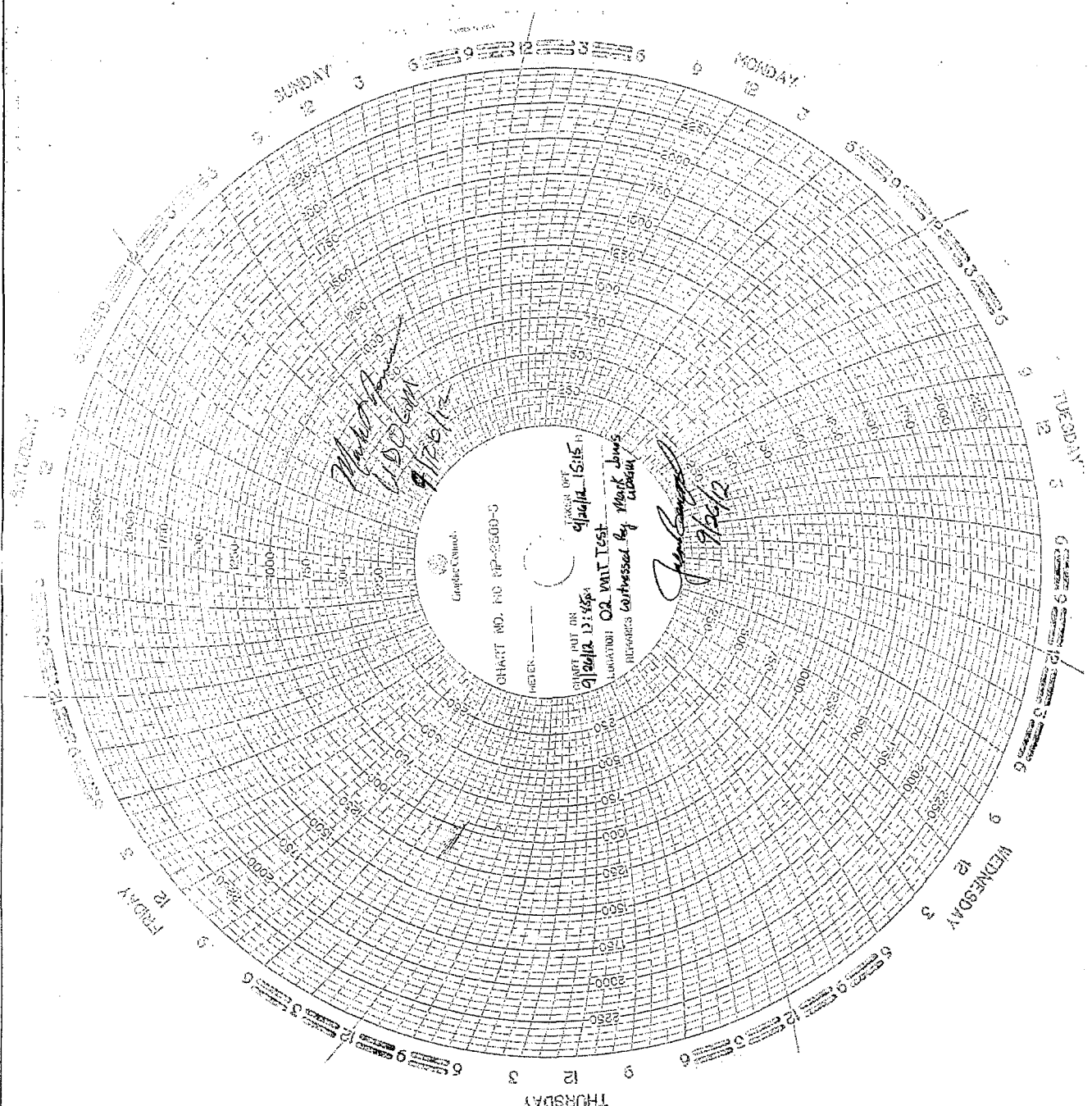
Time Log

Start Time	End Time	Dur (hrs)	Op Code	Activity Code	Phase	Operation
07:00	07:30	0.50	RPEQPT	SFTY	SURPRD	SAFETY MEETING, JSA, JSP, HSE HANDBOOK, COPC GO CARDS
07:30	16:00	8.50	RPEQPT	PRTS	SURPRD	CONTINUE OUT OF THE HOLE WITH TBG AND PACKER, RIAH WITH TS PLUG, ON OFF TOOL, HD PACKER, SET PLUG AT 7125', SET PACKER AT 7115', TEST 3 1/2 TBG TOO 2000 PSI (GOOD), RESLEASE PACKER, POOH WITH TBG SET PACKER AT 3517', SET PACKER AND TEST 7" CSG TO 1600 PSI, FILL AND TEST CASING FROM SURFACE DOWN TO 3500', TEST AT 1000 LBS (GOOD), EQUALIZE TBG, CSG, RELEASE PACKER SWI, SDFWE

9/10/2012 07:00 - 9/10/2012 17:00

Last 24hr Summary

TEST CSG AND TBG, GOOD TEST, STATE WANTED TO GO DEEPER SO SET PLUG AND 7190 AND TEST TO 1000#, GOOD TEST, COULD NOT GET TBG TO TEST, DROP SV AND TEST, NO TEST, POOH W/ 30 STANDS AND TEST GOOD TEST, CSG TEST WITNESSED BY MARK JONES UGOGM



Unpublished

CHART NO. 100 100-2500-0

METER

TAKEN OFF

9/24/12 13:45

LOCATION: O2 VMT Test

REMARKS: witnessed by Mark Jones

Mark Jones
11/20/12

John [Signature]
9/24/12